

Which app?



Image creation applications

Free and affordable
alternatives to the
Adobe CC

Apiau creu delwedd

Dewisiadau amgen
am ddim a fforddau
yn lle Adobe CC



What software do you need?

If you want to edit photographs or create graphics from scratch or explore digital painting, you'll need an app for that.

Until recently there have only been a few major applications across Operating Systems (OS) and this has been dominated by Adobe. Aimed at professionals, the Adobe 'Creative Cloud' of applications, can be prohibitively expensive for many creatives.

Thankfully, there is now a wide range of tools, both free and affordable that can do most of the things (if not all) that Photoshop, Illustrator, InDesign etc can.

Pa feddalwedd sydd ei angen arnoch chi?

Os oes angen golygu ffotograffau arnoch chi neu hoffech greu graffeg gan ddechrau o'r dechrau neu archwilio paentio digidol, bydd angen ap arnoch.

Tan yn ddiweddar dim ond ychydig o apiau blaengar ar draws Systemau Gweithredu (OS) sydd wedi bodoli ac mae hyn wedi ei ddominynddu gan Adobe. Wedi ei anelu at weithwyr proffesiynol, mae apiau 'Creative Cloud' Adobe yn gallu bod yn arfresymol o ddrud i nifer o greuwy.

Diolch byth, mae yna ystod eang o offerynnau, am ddim a fforddadwy sydd a'r gallu i wneud y rhan fwyaf (os nad bopeth) yr hyn gall Photoshop, InDesign ayyb ei wneud.



Bitmap or Vector?

Bitmap / Raster

Bitmap(or raster) images are stored as a series of tiny dots called pixels.

Each pixel is actually a very small square that is assigned a colour, and then arranged in a pattern to form the image. When you zoom in on a bitmap image you can see the individual pixels that make up that image.

Bitmap graphics can be edited by erasing or changing the colour of individual pixels using a program such as Adobe Photoshop.

The three most popular image formats used on the Web (PNG, JPEG, and GIF) are bitmap formats. The Scalable Vector Graphics (SVG) format comes in a distant fourth due to a legacy of poor support for vector graphics in early browsers. Today, however, all major browsers support the SVG (Scalable Vector Graphics) format.

Bitmap formats are best for images that need to have a wide range of colour gradations, such as most photographs. Vector formats, on the other hand, are better for images that consist of a few areas of solid colour. Examples of images that are well suited for the vector format include logos and type.

Vector

Unlike bitmaps, vector images are not based on pixel patterns, but instead, use mathematical formulas to draw lines and curves that can be combined to create an image from geometric objects such as circles and polygons. Vector images are edited by manipulating the lines and curves that make up the image using a program such as Adobe Illustrator.

Vector images are also more scalable than bitmap images. When a bitmap image is scaled up you begin to see the individual pixels that make up the image.

This is most noticeable in the edges of the image. There are ways of making these jagged edges less noticeable but this often results in making the image blurry as well.

When a vector image is scaled up, the image is redrawn using the mathematical formula, so the resulting image is just as smooth as the original.



Bitmap neu Fector?

Bitmap / Rhastr

Mae delweddau Bitmap (neu rhastr) yn cael eu storio fel cyfres o ddotiau bychain or enw picseli.

Mae bob picsel yn sgwar bach iawn sydd a lliw penodol, ac sydd yn cael ei drefnu mewn patrwm i ffurfio'r ddelwedd. Wrth nesau ar delwedd bitmap gallwch weld y picseli unigol sy'n gwneud y ddelwedd hono.

Mae modd golygu graffegau Bitmap gan ddileu neu newid lliw y piseli unigol gan ddefnyddio rhaglen fel Adobe Photoshop.

Mae'r tri fformat mwyaf poblogaidd ar gyfer delweddau ar y we (PNG, JPEG a GIF) yn fformatau bitmap. Mae'r fformat 'Scalable Vector Graphics (SVG)' yn dod yn bedwerydd pell oherwydd ei ddiffyg gefnogaeth da ar gyfer graffegau fector mewn porwyr cynnar. Heddiw, serch hynny, mae pob un o'r prif borwyr yn cefnogi fformat SVG.

Fformatau bitmap yw'r gorau ar gyfer delweddau sydd angen ystod eang o raddfeydd lliw, fel rhan fwyaf o ffotograffau. Mae fformatau Fector, ar y llaw arall, yn well ar gyfer delweddau sy'n cynnwys rhai ardaloedd o liw solet. Enghreifftiau o ddelweddau sy'n siwtio fformat fector yn dda yw logos a theip.

Fector

Yn wahanol i bitmap, nid yw delweddau fector yn seliedig ar batrymau picsel, ond yn hytrach, yn defnyddio fformiwlau mathemategol i lunio llinellau a llinellau grom a gellir eu cyfuno i greu delwedd o wrthrychau geometrig fel cylchoedd a pholygonau. Gellir olygu delweddau fector gan ddylanwadu'r llinellau a'r llinellau grom sy'n gwneud y ddelwedd gan ddefnyddio rhaglen fel Adobe Illustrator.

Mae delweddau fector yn fwy graddadwy na delweddau bitmap. Pan mae delweddau bitmap yn cael eu ehangu 'dych chi'n dechrau sylwi ar y picseli unigol sy'n ffurfio'r ddelwedd.

Sywir hyn fwy ar ymylon y ddelwedd. Mae yna ffyrdd o wneud yr ymylon danheddog yma yn llai amlwg ond y canlyniad i hyn yn aml yw delwedd aneglur.

Pan mae delwedd fector yn cael ei ehangu, mae'r dewledd yn cael ei ail-lunio gan ddefnyddio fformiwlau mathemategol, i sicrhau bod y ddelwedd mor esmwyth a'r gwreiddiol.

Photoshop (image manipulation) alternatives

Bitmap graphic editors for photo manipulation / painting / print documents.

Affinity Photo
(Desktop £67.99 / iPad £17.99)
affinity.serif.com/en-gb/photo

GIMP
(Desktop - Free)
www.gimp.org

Photoscape X
(Desktop - Free)
x.photoscape.org

Photopea
(Browser -Free)
www.photopea.com

Pixlr
(Browser -Free)
pixlr.com

Digital Painting

Procreate
(iPad £12.99 / iPhone £5.99)
procreate.art

Krita
(Browser -Free)
krita.org/en

Dewisiadau amgen Photoshop (trin delweddau)

Golygyddion graffeg bitmap ar gyfer trin ffotograffau / paentiadau / dogfennau argraffu.

Affinity Photo
(Gweithfwrdd £67.99 / iPad £17.99)
affinity.serif.com/en-gb/photo

GIMP
(Gweithfwrdd - am ddim)
www.gimp.org

Photoscape X
(Gweithfwrdd - am ddim)
x.photoscape.org

Photopea
(Porwr - am ddim)
www.photopea.com

Pixlr
(Porwr - am ddim)
pixlr.com

Paentio Digidol

Procreate
(iPad £12.99 / iPhone £5.99)
procreate.art

Krita
(Porwr - am ddim)
krita.org/en

Lightroom (Photo Editing) Alternatives

When you don't need the 'creation' tools of Photoshop, but need to adjust the look of a photograph.

Darktable
(Desktop - Free)
www.darktable.org

Luminar
(Desktop - £99)
skylum.com/luminar

RAW Therapee
(Desktop-Free)
rawtherapee.com

Dewisiadau Amgen Lightroom (Golygu Ffoto)

Pan nad oes angen yr offer 'creu' (creation) Photoshop arnoch, ond bod angen addasu gwedd ffotograff.

Darktable
(Gweithfwrdd - am ddim)
www.darktable.org

Luminar
(Gweithfwrdd - £99)
skylum.com/luminar

RAW Therapee
(Gweithfwrdd - am ddim)
rawtherapee.com



Illustrator Alternatives

Vector drawing programs for graphics / logos / illustration.

Affinity Designer
(Desktop £67.99 / iPad £17.99)
affinity.serif.com/en-gb/designer

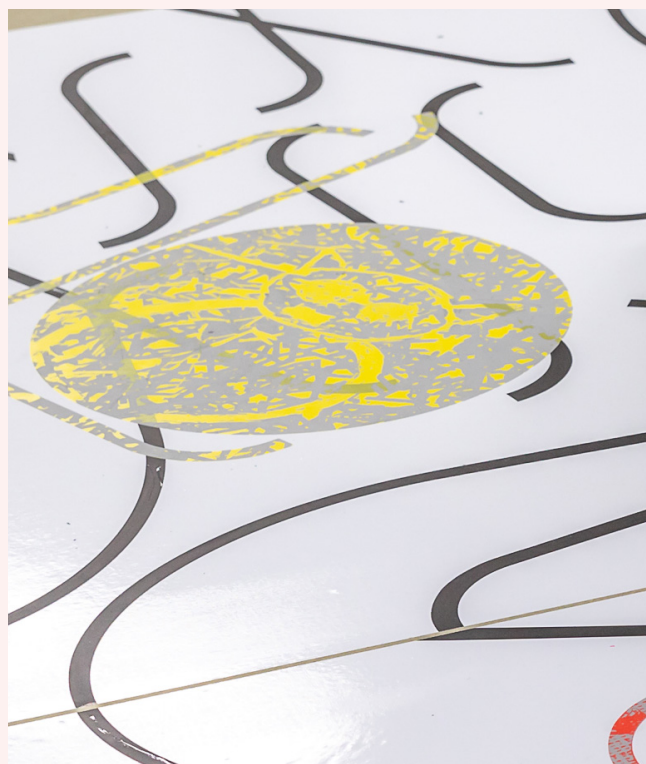
Vectornator
(Desktop / iPad - Free)
www.vectornator.io

Inkscape
(Desktop Free)
inkscape.org

Vectr
(Browser - Free)
vectr.com/design

CorelDRAW
(Desktop - £74.99 per year)
www.designer.io

Vecteezy
(Browser -Free)
www.designer.io



Dewisiadau Amgen Illustrator

Rhaglenni darlunio fector ar gyfer graffeg / logos / darluniadau.

Affinity Designer
(Gweithfwrdd £67.99 / iPad £17.99)
affinity.serif.com/en-gb/designer

Vectornator
(Gweithfwrdd / iPad - am ddim)
www.vectornator.io

Inkscape
(Gweithfwrdd - am ddim)
inkscape.org

Vectr
(Porwr - am ddim)
vectr.com/design

CorelDRAW
(Porwr - £74.99 bob blwyddyn)
www.designer.io

Vecteezy
(Porwr - am ddim)
www.designer.io



InDesign Alternatives (Desktop Publishing)

Specifically for Creating printed
documents / zines / flyers / posters
etc.

Affinity Publisher (Desktop £67.99 / iPad
£17.99)

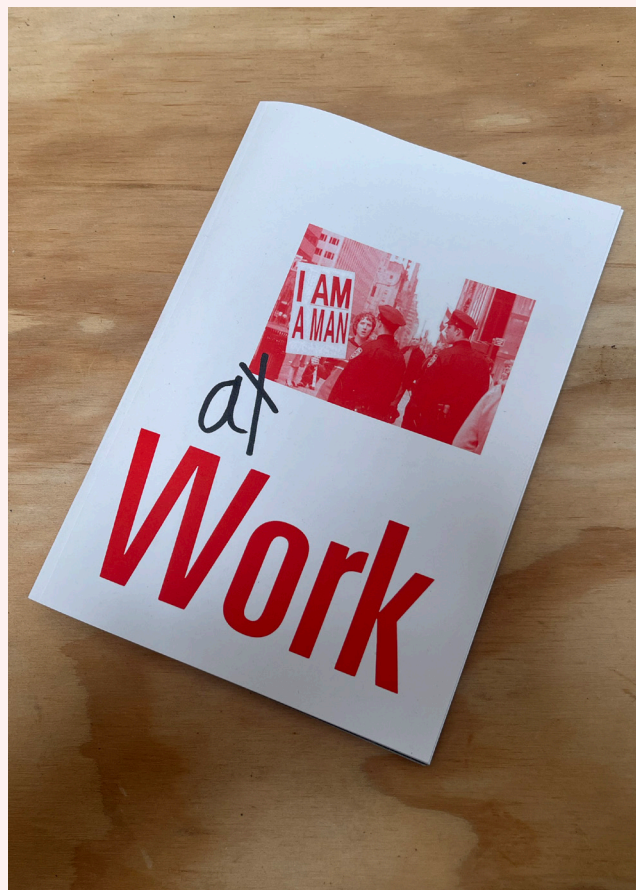
affinity.serif.com/en-gb/publisher

Swift Publisher (Desktop £20)

www.swiftpublisher.com

Scribus (Desktop - Free)

www.scribus.net



I am a Man at Work, Joshua Jones, Zine Produced from Library Residency, g39 2025

Dewisiadau Amgen InDesign (Cyhoeddi Gweithfwrdd)

Yn benodol ar gyfer creu dogfennau
argraffedig / zines / taflenni / posteri
ayyb.

Affinity Publisher

(Gweithfwrdd £67.99 / iPad £17.99)

affinity.serif.com/en-gb/publisher

Swift Publisher

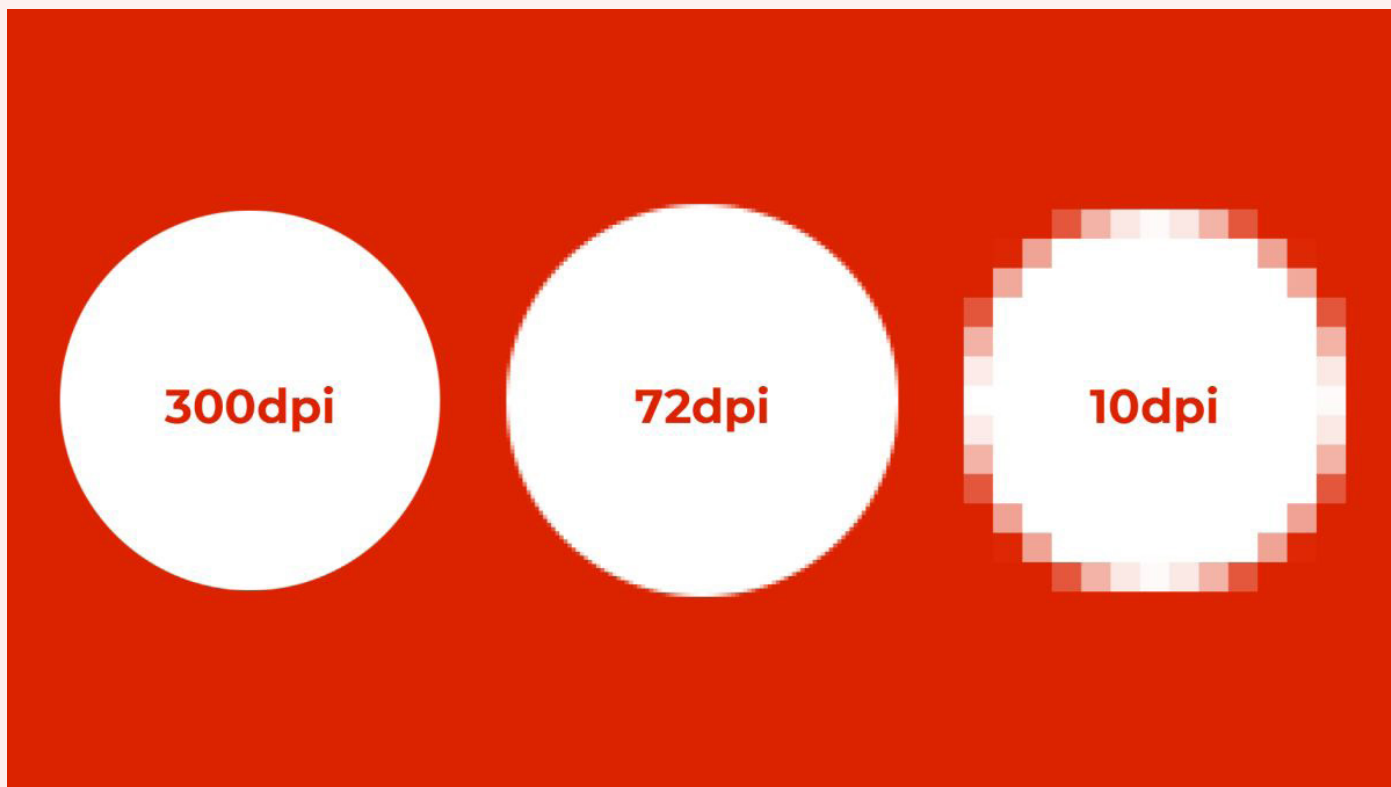
(Gweithfwrdd £20)

www.swiftpublisher.com

Scribus

(Gweithfwrdd – am ddim)

www.scribus.net



DPI (Dots / Pixels Per Inch)

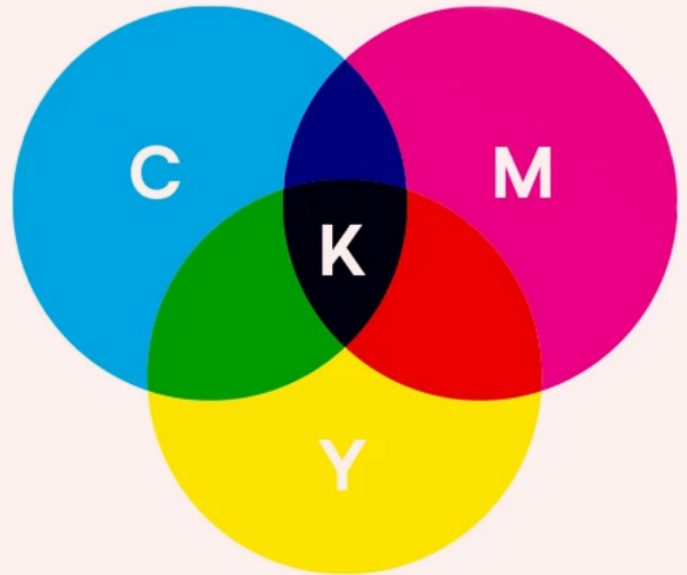
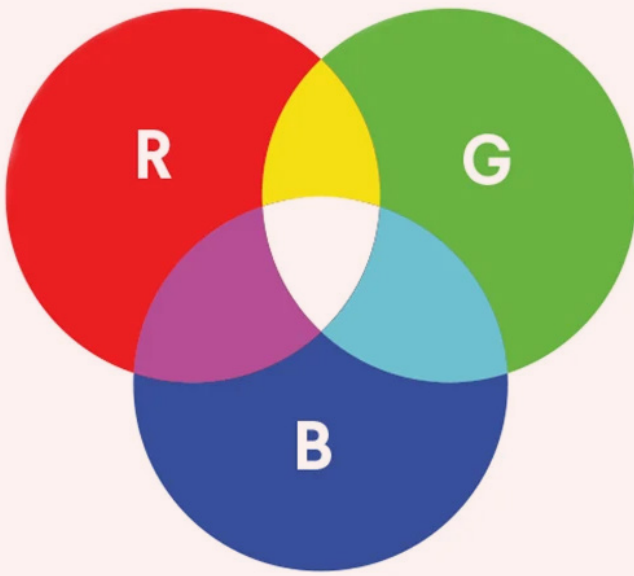
DPI is about the pixel density of your images. Mostly, your online stuff will be 72dpi, and a lot of editors may set this as a default.

If you need to print, make sure it's 300dpi, but be wary of trying to enlarge your images!

DPI (Dots / Pixels Per Inch)

Mae DPI yn ymwneud a dwysedd picstel eich delwedddau. Ran amlaf, bydd eich stwff ar-lein yn 72dpi, ac efallai bod llawer o olygyddion yn gosod hyn yn ddiofyn.

Os oes angen argraffu arnoch, gwnewch yn siwr ei fod y 300dpi, ond byddwch yn ofalus wrth drïo ehangu eich dewleddau!



RGB or CMYK?

For most of your work - being online, you'll need to be in 'RGB'. If you have to send stuff to print, just make sure you export your (300dpi) files as PDF.

If you don't know how to convert to CMYK, there are free online converters if you're stuck.

RGB neu CMYK?

Ar gyfer y rhan fwyaf o'ch gwaith - ar-lein, bydd angen i chi fod yn 'RGB'. Os oes angen anfon pethau i argraffu arnoch, jest gwnewch yn siwr eich bod yn 'allforio' eich ffeiliau (300dpi) fel PDF.

Os nad ydych yn gwybod sut i newid i CMYK, mae yno 'converters' ar-lein am ddim.



Tutorials

Adobe offer a 7-day trial – the tools and processes are similar across all similar software, so may be useful to know the standard tools and layouts that other software may be emulating.

Photoshop tutorials

helpx.adobe.com/uk/photoshop/tutorials.html

www.creativebloq.com/graphic-design-tips/photoshop-tutorials-1232677

Illustrator tutorials

helpx.adobe.com/uk/illustrator/tutorials.html

www.creativebloq.com/digital-art/illustrator-tutorials-1232697

design.tutsplus.com/tutorials/101-adobe-illustrator-tutorials--cms-29782

Gwersi

Mae Adobe yn cynnig treial 7 diwrnod – mae'r offer a'r prosesau yn debyg ar draws pob meddalwedd tebyg, felly efallai ei fod yn ddefnyddiol i fod yn gyfarwydd a'r offer a llunwedd safonol bydd meddalweddau eraill efallai yn efelychu.

Gwersi Photoshop

helpx.adobe.com/uk/photoshop/tutorials.html

www.creativebloq.com/graphic-design-tips/photoshop-tutorials-1232677

Gwersi Illustrator

helpx.adobe.com/uk/illustrator/tutorials.html

www.creativebloq.com/digital-art/illustrator-tutorials-1232697

design.tutsplus.com/tutorials/101-adobe-illustrator-tutorials--cms-29782