

Vaja 12.

Grafika in video

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Delo z grafiko

- Osnovni pojmi
 - rastrska in vektorska grafika
 - formati datotek (BMP, JPG, GIF, PNG | EPS, SVG, EMF, AI, CDR)
 - slikovna točka (ang. pixel)
 - resolucija slike
 - DPI (ang. dots per inch)








- Naloga

S fotoaparatom narediš sliko v resoluciji 2048 x 1536 slikovnih pik (Š x V). Natisneš jo na tiskalniku, ki tiska s kvaliteto 300 DPI. Koliko cm bo široka slika, natisnjena na papir? (1 palec = 2,54 cm)

Delo z rastrsko grafiko

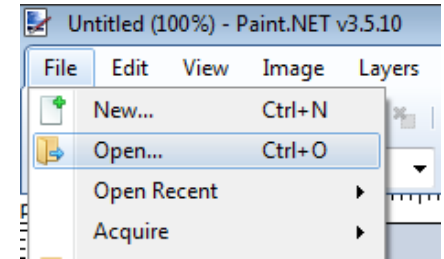
- Zastonjska programska oprema
 - **Paint.NET** (samo za MS Windows) <http://www.getpaint.net>
 - GIMP (<http://www.gimp.org/>)
 - Na ptičji način prek spleta: www.aviary.com



 <p>Image Editor Our image editor has layers, masks, effects, undo history, and all that other good stuff. Learn more about Phoenix</p>	 <p>Music Creator Use Roc to create music and loops for use in Myna and ringtones. Learn more about Roc</p>
 <p>Screen Capture Use Talon to capture screenshots web pages from your browser or desktop and crop, resize or mark them up. Learn more about Talon</p>	 <p>Audio Editor Remix music tracks and audio clips. Apply sound effects and record your own voice or instruments! Learn more about Myna</p>
 <p>Vector Editor The world's first online vector editor. Learn more about Raven</p>	 <p>Image Markup Use Falcon to quickly capture images and web pages from your browser or desktop and crop, resize or mark them up. Learn more about Falcon</p>
 <p>Effects Editor It does so many wonderful and amazing things, we decided to call it our visual laboratory. Learn more about Peacock</p>	 <p>Swatch Editor Our color swatches and palettes tool will help you find colors you didn't even know exist. Learn more about Toucan</p>

Paint.NET - primer

- Primer uporabe programa Paint.NET
 - na učilnici poišči datoteko *obraz-zenski.jpg* in jo
 - odpri z urejevalnikom slik Paint.NET



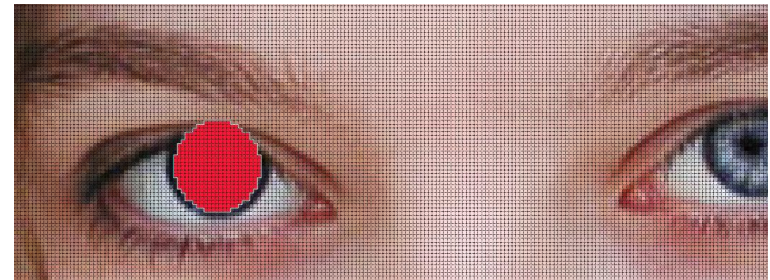
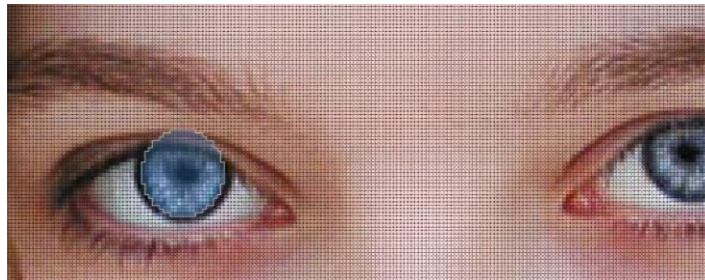
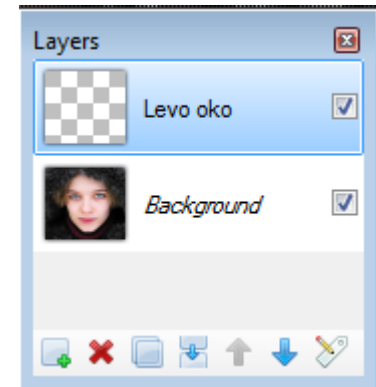
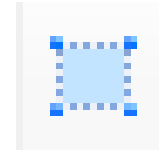
prej



potem

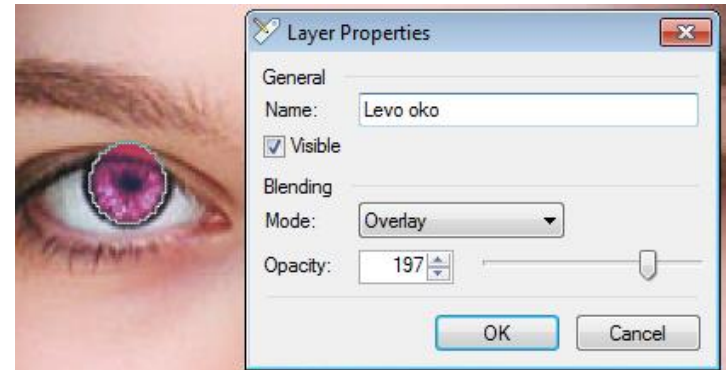
Paint.NET - primer

- Obreži sliko:
 - označi del slike z orodjem "Rectangle Select"
 - Glavni meni → Image → Crop to selection
- Ustvari novo plast (layer) in jo poimenuj "Levo oko". Označi to plast.
- izberi orodje "Ellipse select".
- Označi šarenico.
- Izberi "Paint Bucket" in želeno barvo ter klikni znotraj označbe.

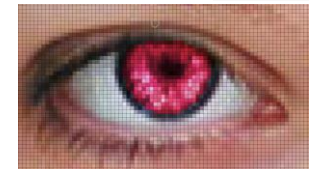


Paint.NET - primer

- Spremenite nastavite plasti "Levo oko".
Glavni meni → Layers → Layer Properties → Blending
Mode: Overlay.



- Počisti izbiro: Glavni meni → Edit → Deselect
- Sedaj lahko barvo očesa tudi spremenimo.
 - Glavni meni → Adjustments → Hue & Saturation
- Uporabi radirko (Eraser tool), da očistiš veke.
- Postopek ponovi za desno oko!



Paint.NET - primer

- Rezultati:

Effects → Photo → Soften Portrait



- Se želiš naučiti več?

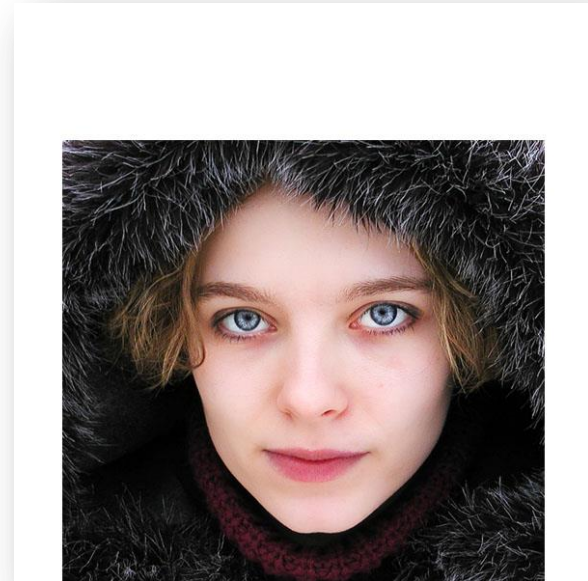
- <http://www.getpaint.net/redirect/tutorials.html>
- <http://www.aviary.com/tutorials>

Delo z rastrsko grafiko - naloga

- Ponovi vajo na eni od teh dveh slik:



obraz-moski.jpg



obraz-zenski.jpg

Obdelava videa (neobvezno)



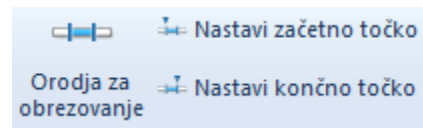
- Uporaba brezplačnega programa Windows Live Movie Maker (<http://windows.microsoft.com/en-US/windows-live/movie-maker-get-started>)
- Alternativi:
 - odprtokodni Wax (<http://www.debugmode.com/wax/>),
 - brezplačni Pinnacle VideoSpin (<http://videospin.en.softonic.com/>)
- Video izrezke in glasbo poišči na lokalnem disku v mapi *D:\UIKTNT-video\media* ali na spletni učilnici.

Obdelava videa – neobvezna naloga

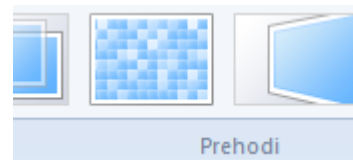
Ustvari svoj film!

- uporabi posnetke s treninga Robo lige FRI

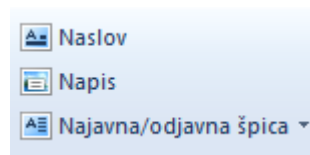
- posnetke ustrezno obreži



- uporabi prehode



- vstavi napise



- vključi glasbo in posebne zvoke (smeh, aplavz, ...)
- **končni film naj ne bo daljši od 1 minute**

