

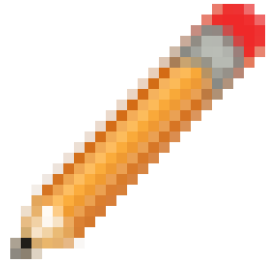
Presentation 1

Requirements Engineering - intelliPhoto

Set new color values in the image



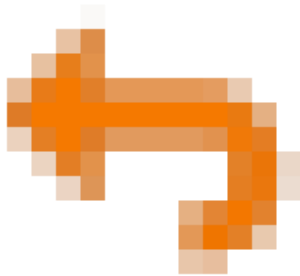
Set new color values in the image



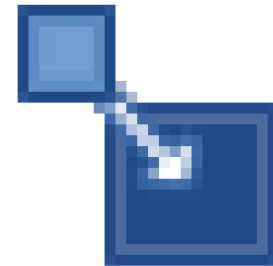
Pen Tool



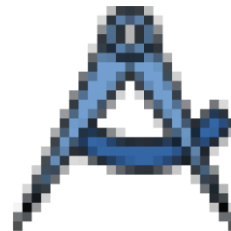
Flood Fill



Undo/Redo Tool



Plain Tool



Forms Tool

Representation of a pixel by means of a byte

Red



+

Green



+

Blue



makes



Representation of a pixel by means of a byte

> Variant 1

01010100

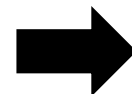
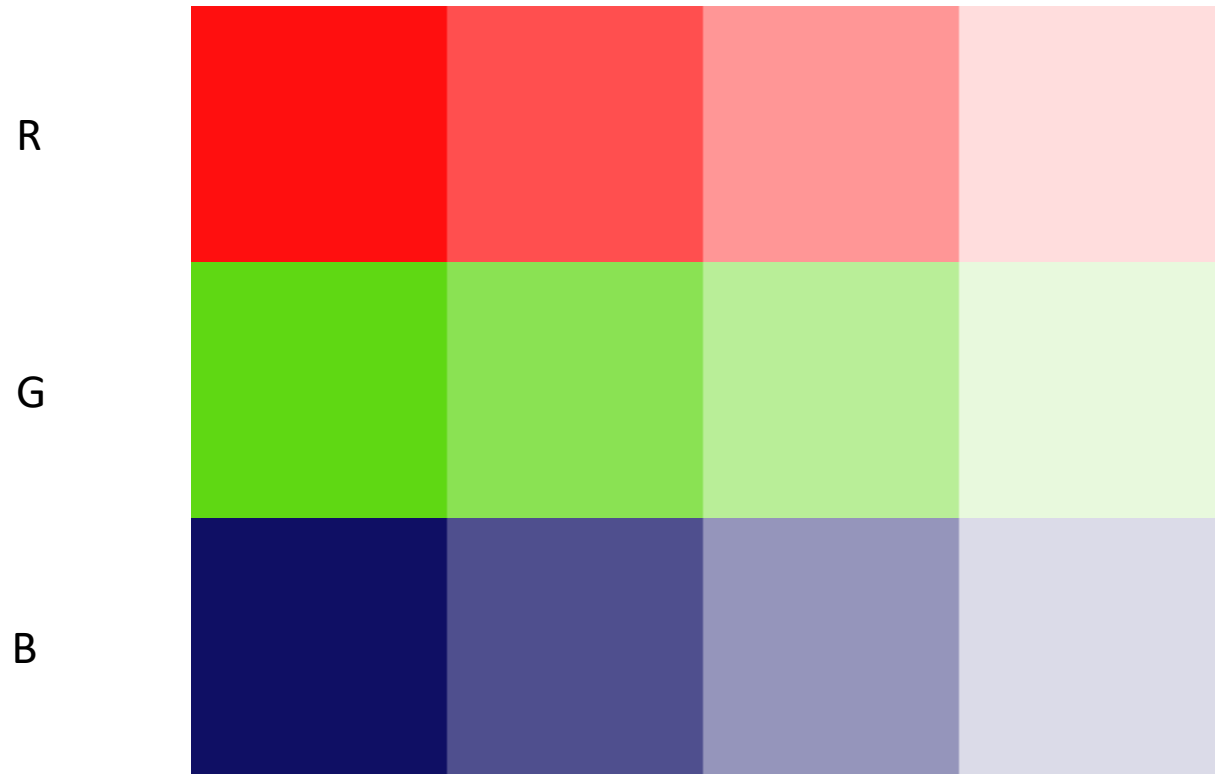
TTRRGGBB

T – Transparent Channel

R – Red Channel

G – Green Channel

B – Blue Channel



2^6 different colors with transparency steps

Representation of a pixel by means of a byte

> Variant 2

01010100
CCVVVVVV

00 – Transparency/Gray
01 – Red
10 – Blue
11 – Green



0100'0000

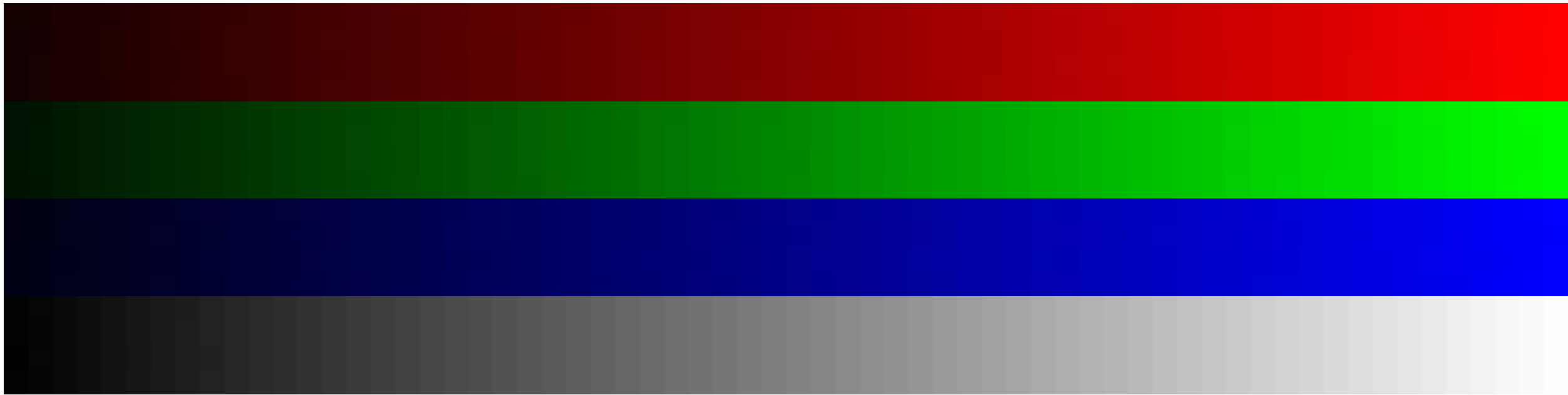
0111'1111

V – Value
C – Color Channel

Allows for 64 color values per color, so 192 colors + 63 grayscale colors in total (since transparency shouldn't allow for steps)

Representation of a pixel by means of a byte

> **Variant 2**



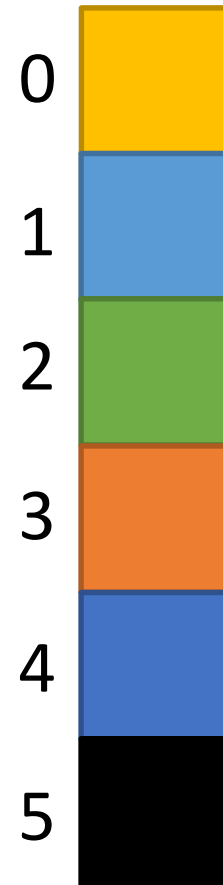
Representation of a pixel by means of a byte

> Variant 3

00000011

➡ 3

Color List



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Representation of a pixel by means of a byte

> **All Variants**

Means very noticeable loss of color variation

