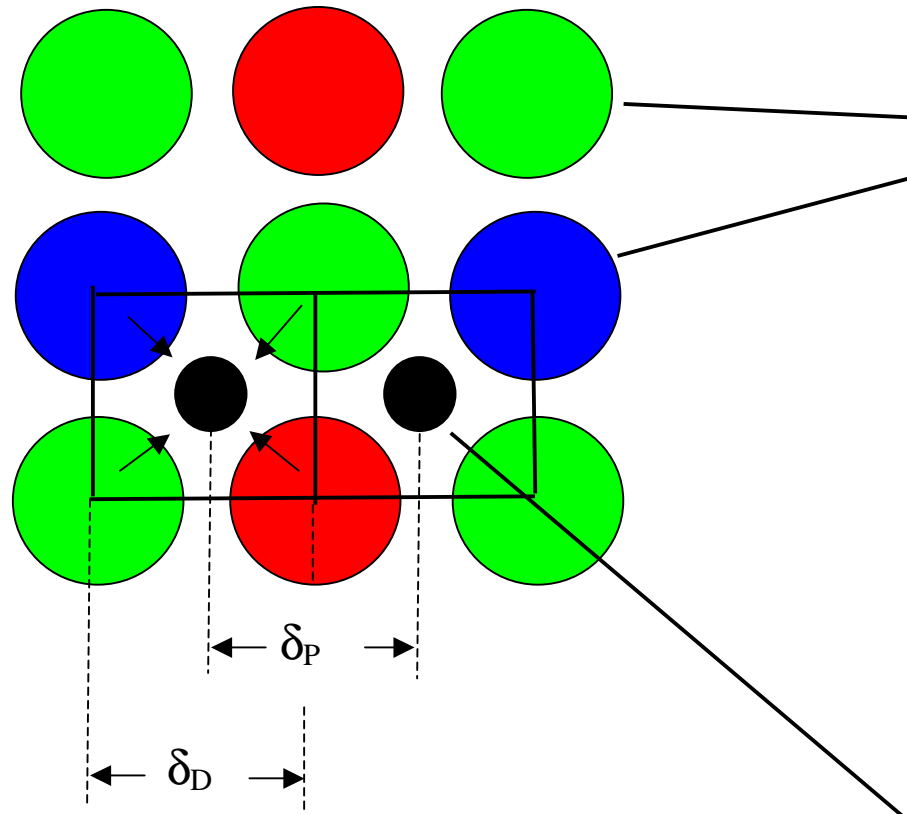


Bayer-Matrix und Pixelbildung (Prinzipbeispiel)

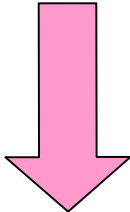


"Pixelabstand" = Elementabstand

Sensorelemente
G1 = {0, g1, 0}
G2 = {0, g2, 0}
B = {0, 0, b}
R = {r, 0, 0}

Bit-Tiefe
8/10/12/14 Bit pro Element

RAW-Format



Demosaicing

Pixel
 $P = \{r, (g1+g2)/2, b\}$

Farbtiefe
3 x 8 = 24 Bit pro Pixel

TIFF/JPEG-Format