sensitivities at the three measurement at each pixel: tristimulus value functions 3 color values R, G and B optimization of  $3 \times 3$ - or  $3 \times 6$ -device matrices for development intent: conversion from RGB to L\*a\*b\* colorimetric device driver: with 17 CIE-test colors conversion of three color values R, G and B in colorness calculation of the spectral color  $L^*$ ,  $a^*$  and  $b^*$  (CIELAB system) reflection or transmission at each image position, for example problems: with three densities of three known large pixel amount: dyes (color pigments), approximately 3000×2000 pixels only possible for within a color slide 36mm × 24mm homogeneous material often original size larger than (slide material, printing material) DIN-A2 with drum scanners

three procedures for optimization

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of colorimetric device driver:

adaptation of the spectral

scanner for color slide material:

0,01mm image point diameter 4096 (12 bit) luminance range

three photoelectric sensors

1-113130-L0

1-113130-F0