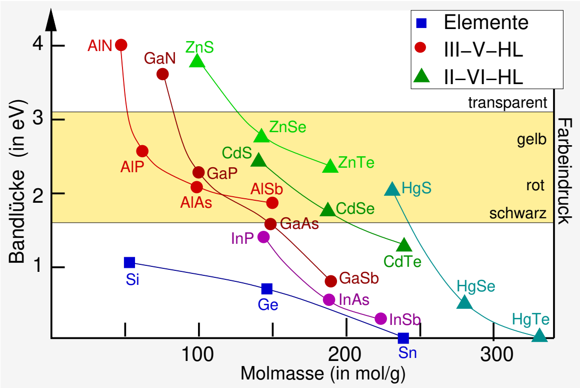
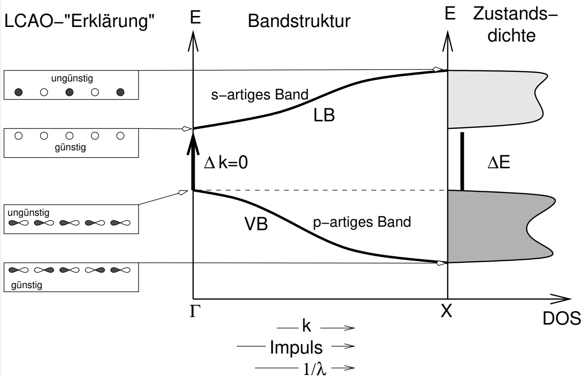
2. Farbigkeit und Elektronenstruktur (Forts.)

2.5. VB-LB-Übergänge

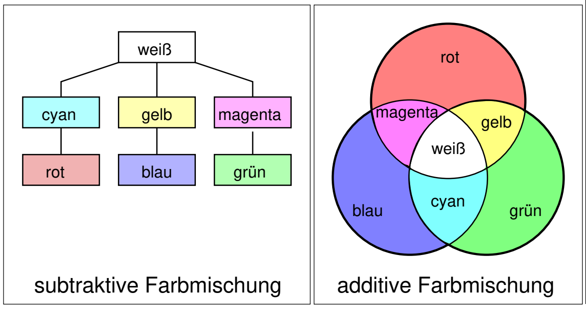


Bandlücken und Farbigkeit

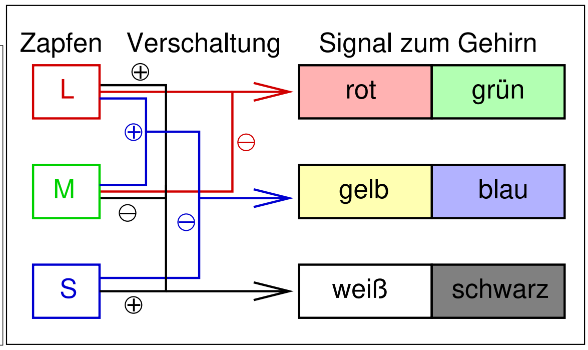


Bandstruktur und Farbigkeit

3. Farbsehen und Farbmetrik



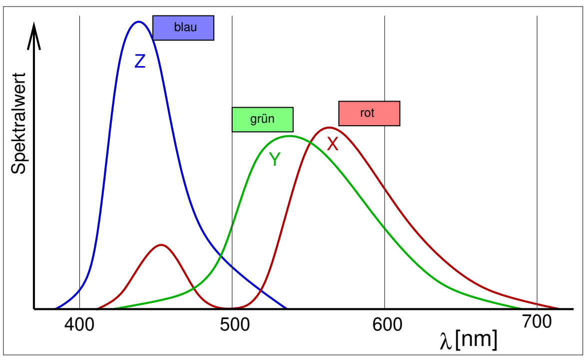
Additive und subtraktive Farbmischung



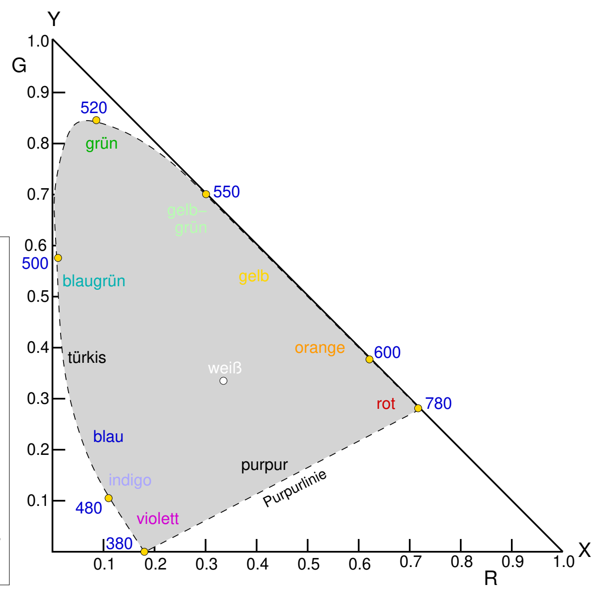
Physiologie des Farbsehens

Zapfenart (Rezeptor)	Typ	Spektrale Empfind-lichkeit [nm]	λ_{max} [nm]	Anteil in Netzhaut [%]
Rot	L-Typ	550 - 700 nm	564	45-65
Grün	M-Typ	450 - 640 nm	535	25-45
Blau	S-Typ	400 - 540 nm	420	ca. 9

Zapfen-Typen und Farbsehen



Spektralwerte (CIE-Tristimulus-Funktionen)



CIE-Farbdreieck