

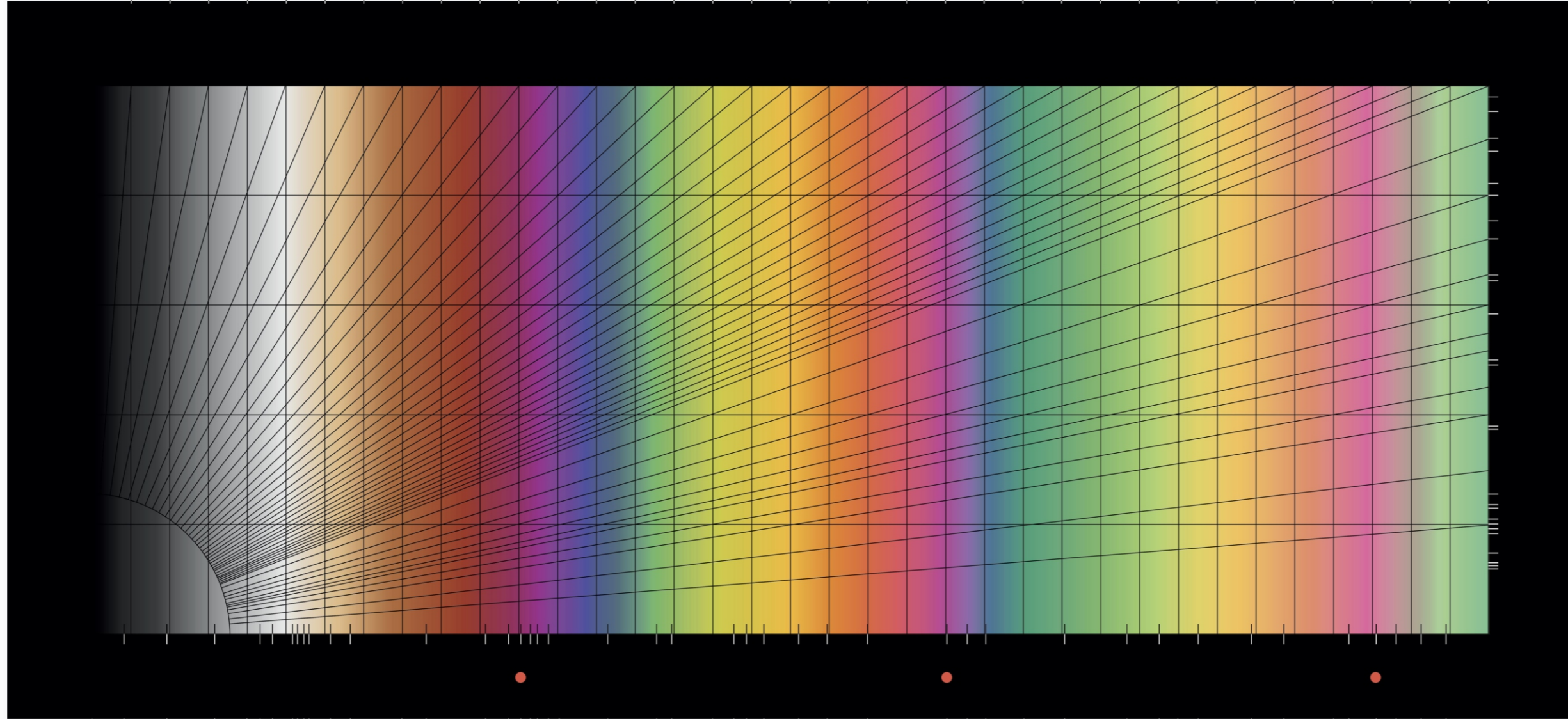
Michel Levy Color chart

Birefringence
($n_{\gamma} - n_{\alpha}$) →

d [μm]

Thickness

50
40
30
20
10
0



-0.040	Tephroite Meionite Aegerine-augite	Tilleyite Spurrite	Lävenite Nontronite	0,038 0,039
-0.045	Grunerite Datolite	Biotite	Phengite Titanbiotite Anhydrite	0,041 0,043 0,044
-0.050	Talc Monazite Zircon Aegirine	Carborundum Diaspore	Pyrophyllite Fayalite Ilvaite	0,045 0,047 0,048 0,049 0,050
-0.055	Astrophyllite	Cholesterole		0,052
-0.060		Silk	Piemontite	0,055
-0.065	Basaltic Hornblende Oxyhornblende	Nylon	Kieserite	0,060 0,063
-0.070	Ascharite Anatase	Cellulose Maltose		0,065 0,070 0,073
-0.080	Siderophyllite	Bicalciumferrite Brownmillerite Glucose	Stilpnomelane Cassiterite	0,080 0,090 0,096
-0.120	Baddeleyite	Sphene Brookite Columbite Aragonite Calcite Dolomite Magnesite Siderite Pyrophanite Hematite Rutile Geikielite Lepidocrocite	Xenotime Carbamide Goethite Whewellite Ludwigite	0,107 0,120 0,140 0,150 0,156 0,172 0,180 0,195 0,241 0,270 0,280 0,286 0,36 0,57

0 40 97 158 200 218 234 259 267 275 281 306 332 400 430 505 536 551 575 589 664 728 747 800 826 843 866 910 948 998 1101 1128 1151 1200 1258 1334 1376 1426 1495 1534 1600 1621 1652 1682 1711 1744

Path difference [nm]
(1000nm = 1μm = 10⁻³mm)

Black
Iron gray
Lavender gray
Gray blue
Clear gray
Greenish white
Nearly pure white
Yellowish white
Pale straw yellow
Straw yellow
Light yellow
Bright yellow
Brown-yellow
Red-orange
Red
Deep red
Purple
Violet
Indigo
Sky blue
Greenish blue
Green
Lighter green
Yellowish green
Greenish yellow
Pure yellow
Orange
Bright orange-red
Dark violet-red
Light bluish violet
Indigo
Greenish blue
Sea green
Lustrous green
Greenish yellow
Flesh color
Carmine red
Dull purple
Violet-gray
Gray-blue
Dull sea green
Bluish green

First Order **Second Order** **Third Order**