

The pH Range for Color Change of some common Acid-Base Indicators

Indicator	Color of Acidic Form	Color of Basic Form	Range of color change	pK_{IN}
Malachite green	yellow	green	0.2 to 1.8	1.3
Methyl orange	red	yellow	3.1 to 4.4	3.7
Bromophenol blue	yellow	purple	3.0 to 4.6	3.8
Bromocresol green	yellow	blue	3.8 to 5.4	4.7
Methyl red	red	yellow	5.2 to 6.8	5.0
Chlorophenol red	yellow	red	4.2 to 6.1	6.2
Bromothymol blue	yellow	blue	6.0 to 7.6	7.1
Phenol red	yellow	red	6.4 to 8.2	7.8
Phenolphthalein	colorless	pink	8.0 to 9.8	9.7
Thymolphthalein	colorless	blue	9.4 to 10.6	10.0

Adapted from Segal, *Chemistry: Experiment and Theory, 2nd Ed.* (Table 10.2)
More indicators are listed in the *CRC Handbook of Chemistry and Physics*