

pH range of indicator

Introduction: The pH range of an indicator is the range over which it changes colour.

Some Acid-Base Indicators

Indicator	pH Range in which Color Change Occurs	Color Change as pH Increases
Crystal violet	0.0 - 1.6	yellow to
Thymol blue	1.2 - 2.8	red to yellow
Orange IV	1.4 - 2.8	red to yellow
Methyl orange	3.2 - 4.4	red to yellow
Bromcresol green	3.8 - 5.4	yellow to
Methyl red	4.8 - 6.2	red to yellow
Chlorophenol red	5.2 - 6.8	yellow to red
Bromthymol blue	6.0 - 7.6	yellow to
Phenol red	6.6 - 8.0	yellow to red
Neutral red	6.8 - 8.0	red to amber
Thymol blue	8.0 - 9.6	yellow to
Phenolphthalein	8.2 - 10.0	colorless to pink
Thymolphthalein	9.4 - 10.6	colorless to
Alizarin yellow	10.1 - 12.0	yellow to
Indigo carmine	11.4 - 13.0	to yellow

https://www.youtube.com/watch?v=6Y4Y- ME60&feature=emb_logo

<https://prezi.com/jiftzt7dae58/acid-base-indicators/>

<https://quizlet.com/207577820/62-the-ph-scale-and-indicators-flash-cards/>