

# Converting Colors - WCAG Matrix

## Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(1A62FF)	Hex(004BE2)	Hex(0035C5)	Hex(0022A9)	Hex(00128D)	Hex(000273)	Hex(000D59)	Hex(000741)	Hex(00032A)	Hex(000114)
Hex(1A62FF)		Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 2.88 Failed <sup>5</sup>	Ratio: 3.37 AA 18pt <sup>2</sup>	Ratio: 3.52 AA 18pt <sup>2</sup>	Ratio: 3.83 AA 18pt <sup>2</sup>	Ratio: 4.05 AA 18pt <sup>2</sup>	Ratio: 4.17 AA 18pt <sup>2</sup>
Hex(004BE2)	Ratio: 1.36 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 2.11 Failed <sup>5</sup>	Ratio: 2.47 Failed <sup>5</sup>	Ratio: 2.58 Failed <sup>5</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 3.06 AA 18pt <sup>2</sup>
Hex(0035C5)	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 2.28 Failed <sup>5</sup>
Hex(0022A9)	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>
Hex(00128D)	Ratio: 2.88 Failed <sup>5</sup>	Ratio: 2.11 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>
Hex(000273)	Ratio: 3.37 AA 18pt <sup>2</sup>	Ratio: 2.47 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>
Hex(000D59)	Ratio: 3.52 AA 18pt <sup>2</sup>	Ratio: 2.58 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>		Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>
Hex(000741)	Ratio: 3.83 AA 18pt <sup>2</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>
Hex(00032A)	Ratio: 4.05 AA 18pt <sup>2</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.03 Failed <sup>5</sup>
Hex(000114)	Ratio: 4.17 AA 18pt <sup>2</sup>	Ratio: 3.06 AA 18pt <sup>2</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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