

# Converting Colors - WCAG Matrix

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

	Hex(008512)	Hex(FFFFFF)	Hex(52BB49)	Hex(70D763)	Hex(8DF47E)	Hex(AAFF99)	Hex(C7FFB4)	Hex(E4FFD0)	Hex(FFFFED)
Hex(008512)		Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 3.52 AA 18pt <sup>2</sup>	Ratio: 4.00 AA 18pt <sup>2</sup>	Ratio: 4.21 AA 18pt <sup>2</sup>	Ratio: 4.47 AA 18pt <sup>2</sup>	Ratio: 4.76 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FFFFFF)	Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 2.45 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>
Hex(52BB49)	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.45 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.15 Failed <sup>5</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 2.43 Failed <sup>5</sup>
Hex(70D763)	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>
Hex(8DF47E)	Ratio: 3.52 AA 18pt <sup>2</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>
Hex(AAFF99)	Ratio: 4.00 AA 18pt <sup>2</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>
Hex(C7FFB4)	Ratio: 4.21 AA 18pt <sup>2</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 2.15 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>
Hex(E4FFD0)	Ratio: 4.47 AA 18pt <sup>2</sup>	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.06 Failed <sup>5</sup>
Hex(FFFFED)	Ratio: 4.76 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 2.43 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.06 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.

This PDF was generated on [convertingcolors.com](http://convertingcolors.com).