

# Converting Colors - WCAG Matrix

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

	Hex(7D014D)	Hex(FFFFFF)	Hex(B6457E)	Hex(D36098)	Hex(F07BB3)	Hex(FF96CE)	Hex(FFB2EA)	Hex(FFCFFF)	Hex(FFECFF)
Hex(7D014D)		Ratio: 10.59 Passed <sup>6</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 4.13 AA 18pt <sup>2</sup>	Ratio: 5.30 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.46 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.88 Passed <sup>6</sup>	Ratio: 9.42 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 10.59 Passed <sup>6</sup>		Ratio: 5.07 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.56 AA 18pt <sup>2</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>
Hex(B6457E)	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 5.07 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 3.09 AA 18pt <sup>2</sup>	Ratio: 3.77 AA 18pt <sup>2</sup>	Ratio: 4.51 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(D36098)	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 3.56 AA 18pt <sup>2</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 2.17 Failed <sup>5</sup>	Ratio: 2.65 Failed <sup>5</sup>	Ratio: 3.17 AA 18pt <sup>2</sup>
Hex(F07BB3)	Ratio: 4.13 AA 18pt <sup>2</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.28 Failed <sup>5</sup>
Hex(FF96CE)	Ratio: 5.30 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>
Hex(FFB2EA)	Ratio: 6.46 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 3.09 AA 18pt <sup>2</sup>	Ratio: 2.17 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>
Hex(FFCFFF)	Ratio: 7.88 Passed <sup>6</sup>	Ratio: 1.34 Failed <sup>5</sup>	Ratio: 3.77 AA 18pt <sup>2</sup>	Ratio: 2.65 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.20 Failed <sup>5</sup>
Hex(FFECFF)	Ratio: 9.42 Passed <sup>6</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 4.51 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.17 AA 18pt <sup>2</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.20 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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