

# Converting Colors - WCAG Matrix

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

	Hex(FD1515)	Hex(FD2E2E)	Hex(FD4848)	Hex(FD6161)	Hex(FD7A7A)	Hex(FD9393)	Hex(FDADAD)	Hex(FDC6C6)	Hex(FDDDFD)	Hex(FDF9F9)
Hex(FD1515)		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 2.22 Failed <sup>5</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 3.17 AA 18pt <sup>2</sup>	Ratio: 3.80 AA 18pt <sup>2</sup>
Hex(FD2E2E)	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 2.51 Failed <sup>5</sup>	Ratio: 3.00 AA 18pt <sup>2</sup>	Ratio: 3.58 AA 18pt <sup>2</sup>
Hex(FD4848)	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 2.27 Failed <sup>5</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 3.24 AA 18pt <sup>2</sup>
Hex(FD6161)	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>		Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.38 Failed <sup>5</sup>	Ratio: 2.85 Failed <sup>5</sup>
Hex(FD7A7A)	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>		Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.44 Failed <sup>5</sup>
Hex(FD9393)	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>		Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>
Hex(FDADAD)	Ratio: 2.22 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>		Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>
Hex(FDC6C6)	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 2.51 Failed <sup>5</sup>	Ratio: 2.27 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>		Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>
Hex(FDDDFD)	Ratio: 3.17 AA 18pt <sup>2</sup>	Ratio: 3.00 AA 18pt <sup>2</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 2.38 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>		Ratio: 1.20 Failed <sup>5</sup>
Hex(FDF9F9)	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 3.58 AA 18pt <sup>2</sup>	Ratio: 3.24 AA 18pt <sup>2</sup>	Ratio: 2.85 Failed <sup>5</sup>	Ratio: 2.44 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.43 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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