

# Converting Colors - WCAG Matrix

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

Hex(FC3464) Hex(DC004C) Hex(BC0036) Hex(9C0021) Hex(7D000C) Hex(5E0002) Hex(400003) Hex(1D0001) Hex(000000)

Hex(FC3464)		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 2.39 Failed <sup>5</sup>	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 4.77 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.52 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(DC004C)	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 3.40 AA 18pt <sup>2</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>
Hex(BC0036)	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 3.03 AA 18pt <sup>2</sup>	Ratio: 3.19 AA 18pt <sup>2</sup>
Hex(9C0021)	Ratio: 2.39 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 2.44 Failed <sup>5</sup>
Hex(7D000C)	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>
Hex(5E0002)	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>		Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>
Hex(400003)	Ratio: 4.77 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.40 AA 18pt <sup>2</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>
Hex(1D0001)	Ratio: 5.52 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 3.03 AA 18pt <sup>2</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(000000)	Ratio: 5.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>	Ratio: 3.19 AA 18pt <sup>2</sup>	Ratio: 2.44 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.05 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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