

# Converting Colors - WCAG Matrix

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

	Hex(00553D)	Hex(FFFFFF)	Hex(40876C)	Hex(5BA286)	Hex(75BDA0)	Hex(90D9BB)	Hex(ACF6D7)	Hex(C8FFF3)	Hex(E5FFFF)
Hex(00553D)		Ratio: 8.87 Passed <sup>6</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 4.03 AA 18pt <sup>2</sup>	Ratio: 5.42 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.15 Passed <sup>6</sup>	Ratio: 8.05 Passed <sup>6</sup>	Ratio: 8.48 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 8.87 Passed <sup>6</sup>		Ratio: 4.29 AA 18pt <sup>2</sup>	Ratio: 3.02 AA 18pt <sup>2</sup>	Ratio: 2.20 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>
Hex(40876C)	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 4.29 AA 18pt <sup>2</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 3.45 AA 18pt <sup>2</sup>	Ratio: 3.89 AA 18pt <sup>2</sup>	Ratio: 4.10 AA 18pt <sup>2</sup>
Hex(5BA286)	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 3.02 AA 18pt <sup>2</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.43 Failed <sup>5</sup>	Ratio: 2.74 Failed <sup>5</sup>	Ratio: 2.89 Failed <sup>5</sup>
Hex(75BDA0)	Ratio: 4.03 AA 18pt <sup>2</sup>	Ratio: 2.20 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>
Hex(90D9BB)	Ratio: 5.42 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>
Hex(ACF6D7)	Ratio: 7.15 Passed <sup>6</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 3.45 AA 18pt <sup>2</sup>	Ratio: 2.43 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>
Hex(C8FFF3)	Ratio: 8.05 Passed <sup>6</sup>	Ratio: 1.10 Failed <sup>5</sup>	Ratio: 3.89 AA 18pt <sup>2</sup>	Ratio: 2.74 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(E5FFFF)	Ratio: 8.48 Passed <sup>6</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 4.10 AA 18pt <sup>2</sup>	Ratio: 2.89 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.19 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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