

# Converting Colors - WCAG Matrix

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

	Hex(286667)	Hex(FFFFFF)	Hex(5D999A)	Hex(78B4B5)	Hex(93D0D0)	Hex(AEECED)	Hex(CAFFFF)	Hex(E7FFFF)
Hex(286667)		Ratio: 6.59 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 3.82 AA 18pt <sup>2</sup>	Ratio: 5.03 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.04 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.32 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FFFFFF)	Ratio: 6.59 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 3.24 AA 18pt <sup>2</sup>	Ratio: 2.33 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>
Hex(5D999A)	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 3.24 AA 18pt <sup>2</sup>		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 2.47 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 3.10 AA 18pt <sup>2</sup>
Hex(78B4B5)	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 2.33 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 2.14 Failed <sup>5</sup>	Ratio: 2.24 Failed <sup>5</sup>
Hex(93D0D0)	Ratio: 3.82 AA 18pt <sup>2</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>
Hex(AEECED)	Ratio: 5.03 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 2.47 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>		Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>
Hex(CAFFFF)	Ratio: 6.04 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 2.14 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(E7FFFF)	Ratio: 6.32 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 2.24 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.26 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

Failed 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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