

# Converting Colors - WCAG Matrix

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

	Hex(046222)	Hex(FFFFFF)	Hex(479551)	Hex(62B169)	Hex(7DCC83)	Hex(98E99D)	Hex(B4FFB9)	Hex(D1FFD4)	Hex(EFFFF1)
Hex(046222)		Ratio: 7.57 Passed <sup>6</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 2.89 Failed <sup>5</sup>	Ratio: 3.90 AA 18pt <sup>2</sup>	Ratio: 5.22 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.47 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.83 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.28 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 7.57 Passed <sup>6</sup>		Ratio: 3.69 AA 18pt <sup>2</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>
Hex(479551)	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 3.69 AA 18pt <sup>2</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.55 Failed <sup>5</sup>	Ratio: 3.16 AA 18pt <sup>2</sup>	Ratio: 3.34 AA 18pt <sup>2</sup>	Ratio: 3.55 AA 18pt <sup>2</sup>
Hex(62B169)	Ratio: 2.89 Failed <sup>5</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 2.24 Failed <sup>5</sup>	Ratio: 2.37 Failed <sup>5</sup>	Ratio: 2.52 Failed <sup>5</sup>
Hex(7DCC83)	Ratio: 3.90 AA 18pt <sup>2</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>
Hex(98E99D)	Ratio: 5.22 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.55 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>
Hex(B4FFB9)	Ratio: 6.47 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 3.16 AA 18pt <sup>2</sup>	Ratio: 2.24 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>
Hex(D1FFD4)	Ratio: 6.83 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 3.34 AA 18pt <sup>2</sup>	Ratio: 2.37 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>
Hex(EFFFF1)	Ratio: 7.28 Passed <sup>6</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 3.55 AA 18pt <sup>2</sup>	Ratio: 2.52 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.07 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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