

Converting Colors - WCAG Matrix

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

	Hex(72D1B7)	Hex(56B59C)	Hex(389A82)	Hex(148069)	Hex(006651)	Hex(004D3A)	Hex(003624)	Hex(00220F)	Hex(000000)
Hex(72D1B7)		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 7.42 Passed ⁶	Ratio: 9.32 Passed ⁶	Ratio: 11.52 Passed ⁶
Hex(56B59C)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 8.49 Passed ⁶
Hex(389A82)	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 6.11 AA ¹ AAA 18pt ⁴
Hex(148069)	Ratio: 2.67 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.32 AA 18pt ²
Hex(006651)	Ratio: 3.82 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(004D3A)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(003624)	Ratio: 7.42 Passed ⁶	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(00220F)	Ratio: 9.32 Passed ⁶	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(000000)	Ratio: 11.52 Passed ⁶	Ratio: 8.49 Passed ⁶	Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 4.32 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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