

Converting Colors - WCAG Matrix

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

	Hex(CEF0F2)	Hex(B2D3D6)	Hex(97B8BA)	Hex(7D9D9F)	Hex(648385)	Hex(4B6A6C)	Hex(335154)	Hex(1C3A3D)	Hex(052527)	Hex(001012)
Hex(CEF0F2)		Ratio: 1.32 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 7.10 Passed ⁶	Ratio: 10.09 Passed ⁶	Ratio: 13.36 Passed ⁶	Ratio: 16.04 Passed ⁶
Hex(B2D3D6)	Ratio: 1.32 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 10.14 Passed ⁶	Ratio: 12.17 Passed ⁶
Hex(97B8BA)	Ratio: 1.76 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 9.13 Passed ⁶
Hex(7D9D9F)	Ratio: 2.41 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.65 AA ¹ AAA 18pt ⁴
Hex(648385)	Ratio: 3.39 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴
Hex(4B6A6C)	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.30 AA 18pt ²
Hex(335154)	Ratio: 7.10 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(1C3A3D)	Ratio: 10.09 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(052527)	Ratio: 13.36 Passed ⁶	Ratio: 10.14 Passed ⁶	Ratio: 7.60 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(001012)	Ratio: 16.04 Passed ⁶	Ratio: 12.17 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 6.65 AA ¹ AAA 18pt ⁴	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.20 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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