

Converting Colors - WCAG Matrix

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

	Hex(1D3027)	Hex(32463D)	Hex(495E54)	Hex(61776C)	Hex(7A9185)	Hex(94AB9F)	Hex(AFC6BA)	Hex(CAE2D6)	Hex(E6FFF2)	Hex(ECFF8)
Hex(1D3027)		Ratio: 1.38 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 13.26 Passed ⁶	Ratio: 13.44 Passed ⁶
Hex(32463D)	Ratio: 1.38 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 7.39 Passed ⁶	Ratio: 9.60 Passed ⁶	Ratio: 9.73 Passed ⁶
Hex(495E54)	Ratio: 2.00 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴
Hex(61776C)	Ratio: 2.90 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(7A9185)	Ratio: 4.13 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.21 AA 18pt ²	Ratio: 3.25 AA 18pt ²
Hex(94AB9F)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(AFC6BA)	Ratio: 7.72 Passed ⁶	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(CAE2D6)	Ratio: 10.21 Passed ⁶	Ratio: 7.39 Passed ⁶	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(E6FFF2)	Ratio: 13.26 Passed ⁶	Ratio: 9.60 Passed ⁶	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(ECFF8)	Ratio: 13.44 Passed ⁶	Ratio: 9.73 Passed ⁶	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.01 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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