

Converting Colors - WCAG Matrix

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

	Hex(030F0D)	Hex(E3F0ED)	Hex(303B38)	Hex(47524F)	Hex(616966)	Hex(788280)	Hex(919C99)	Hex(ADB8B5)	Hex(C7D4D1)
Hex(030F0D)		Ratio: 16.65 Passed ⁶	Ratio: 1.68 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 9.55 Passed ⁶	Ratio: 12.77 Passed ⁶
Hex(E3F0ED)	Ratio: 16.65 Passed ⁶		Ratio: 9.93 Passed ⁶	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(303B38)	Ratio: 1.68 Failed ⁵	Ratio: 9.93 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.61 Passed ⁶
Hex(47524F)	Ratio: 2.40 Failed ⁵	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(616966)	Ratio: 3.45 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.70 AA 18pt ²
Hex(788280)	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(919C99)	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 2.42 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(ADB8B5)	Ratio: 9.55 Passed ⁶	Ratio: 1.74 Failed ⁵	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(C7D4D1)	Ratio: 12.77 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 7.61 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 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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