

Converting Colors - WCAG Matrix

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

	Hex(0F050C)	Hex(EFE6EC)	Hex(3A3338)	Hex(514A4E)	Hex(696166)	Hex(827A7F)	Hex(9C9499)	Hex(B7AFB4)	Hex(D3CAD0)
Hex(0F050C)		Ratio: 16.42 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 9.36 Passed ⁶	Ratio: 12.53 Passed ⁶
Hex(EFE6EC)	Ratio: 16.42 Passed ⁶		Ratio: 10.05 Passed ⁶	Ratio: 7.05 Passed ⁶	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(3A3338)	Ratio: 1.63 Failed ⁵	Ratio: 10.05 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶
Hex(514A4E)	Ratio: 2.33 Failed ⁵	Ratio: 7.05 Passed ⁶	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴
Hex(696166)	Ratio: 3.34 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.75 AA 18pt ²
Hex(827A7F)	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(9C9499)	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 2.42 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(B7AFB4)	Ratio: 9.36 Passed ⁶	Ratio: 1.75 Failed ⁵	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(D3CAD0)	Ratio: 12.53 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 7.67 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.85 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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