

Converting Colors - WCAG Matrix

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

	Hex(D5FCE1)	Hex(B9DFC5)	Hex(9EC3A9)	Hex(83A88F)	Hex(6A8D75)	Hex(51745D)	Hex(395B45)	Hex(22432F)	Hex(0C2D1A)	Hex(001900)
Hex(D5FCE1)		Ratio: 1.31 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 9.85 Passed ⁶	Ratio: 13.40 Passed ⁶	Ratio: 16.54 Passed ⁶
Hex(B9DFC5)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.66 Passed ⁶
Hex(9EC3A9)	Ratio: 1.74 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.51 Passed ⁶
Hex(83A88F)	Ratio: 2.37 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 6.99 AA ¹ AAA 18pt ⁴
Hex(6A8D75)	Ratio: 3.32 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴
Hex(51745D)	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.52 AA 18pt ²
Hex(395B45)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(22432F)	Ratio: 9.85 Passed ⁶	Ratio: 7.54 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(0C2D1A)	Ratio: 13.40 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(001900)	Ratio: 16.54 Passed ⁶	Ratio: 12.66 Passed ⁶	Ratio: 9.51 Passed ⁶	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.23 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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