

Converting Colors - WCAG Matrix

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

	Hex(210F00)	Hex(35241B)	Hex(4D3930)	Hex(655046)	Hex(7E695E)	Hex(998277)	Hex(B39C90)	Hex(CFB7AB)	Hex(ECD2C6)	Hex(FFEE2)
Hex(210F00)		Ratio: 1.25 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶	Ratio: 9.72 Passed ⁶	Ratio: 12.89 Passed ⁶	Ratio: 16.40 Passed ⁶
Hex(35241B)	Ratio: 1.25 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 13.09 Passed ⁶
Hex(4D3930)	Ratio: 1.72 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.51 Passed ⁶	Ratio: 9.56 Passed ⁶
Hex(655046)	Ratio: 2.46 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴
Hex(7E695E)	Ratio: 3.59 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(998277)	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(B39C90)	Ratio: 7.13 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(CFB7AB)	Ratio: 9.72 Passed ⁶	Ratio: 7.76 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(ECD2C6)	Ratio: 12.89 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 7.51 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(FFEE2)	Ratio: 16.40 Passed ⁶	Ratio: 13.09 Passed ⁶	Ratio: 9.56 Passed ⁶	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 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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