

Converting Colors - WCAG Matrix

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

	Hex(292824)	Hex(FFFFFF)	Hex(565550)	Hex(6E6D68)	Hex(888682)	Hex(A2A19C)	Hex(BDBC66)	Hex(D9D7D2)	Hex(F5F4EE)
Hex(292824)		Ratio: 14.76 Passed ⁶	Ratio: 1.98 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 13.39 Passed ⁶
Hex(FFFFFF)	Ratio: 14.76 Passed ⁶		Ratio: 7.47 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(565550)	Ratio: 1.98 Failed ⁵	Ratio: 7.47 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 6.78 AA ¹ AAA 18pt ⁴
Hex(6E6D68)	Ratio: 2.85 Failed ⁵	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴
Hex(888682)	Ratio: 4.06 AA 18pt ²	Ratio: 3.63 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.30 AA 18pt ²
Hex(A2A19C)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 2.59 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(BDBC66)	Ratio: 7.75 Passed ⁶	Ratio: 1.90 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(D9D7D2)	Ratio: 10.26 Passed ⁶	Ratio: 1.44 Failed ⁵	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(F5F4EE)	Ratio: 13.39 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.31 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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