

Converting Colors - WCAG Matrix

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

	Hex(515545)	Hex(FFFFFF)	Hex(828775)	Hex(9CA18F)	Hex(B7BCA9)	Hex(D3D7C5)	Hex(EFF4E1)	Hex(FFFFFFD)
Hex(515545)		Ratio: 7.68 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶
Hex(FFFFFF)	Ratio: 7.68 Passed ⁶		Ratio: 3.70 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(828775)	Ratio: 2.07 Failed ⁵	Ratio: 3.70 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(9CA18F)	Ratio: 2.89 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.65 Failed ⁵
Hex(B7BCA9)	Ratio: 3.94 AA 18pt ²	Ratio: 1.95 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(D3D7C5)	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 1.47 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(EFF4E1)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(FFFFFFD)	Ratio: 7.67 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.12 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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