

Converting Colors - WCAG Matrix

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

Hex(80807A) Hex(A6A6A4) Hex(807A7A) Hex(545453) Hex(D4D4D4) Hex(545454)

Hex(80807A)		Ratio: 1.63 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(A6A6A4)	Ratio: 1.63 Failed ⁵		Ratio: 1.73 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 1.65 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(807A7A)	Ratio: 1.06 Failed ⁵	Ratio: 1.73 Failed ⁵		Ratio: 1.80 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(545453)	Ratio: 1.91 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 1.80 Failed ⁵		Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵
Hex(D4D4D4)	Ratio: 2.68 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 5.11 AA ¹ AAA 18pt ⁴		Ratio: 5.11 AA ¹ AAA 18pt ⁴
Hex(545454)	Ratio: 1.91 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 1.80 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 5.11 AA ¹ AAA 18pt ⁴	

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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