

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(82413D) Hex(A88F8D) Hex(823D7F) Hex(544544) Hex(D4D4D4) Hex(545454)

Hex(82413D)		Ratio: 2.52 Failed⁵	Ratio: 1.05 Failed⁵	Ratio: 1.20 Failed⁵	Ratio: 5.11 AA¹ AAA 18pt⁴	Ratio: 1.00 Failed⁵
Hex(A88F8D)	Ratio: 2.52 Failed⁵		Ratio: 2.39 Failed⁵	Ratio: 3.02 AA 18pt²	Ratio: 2.03 Failed⁵	Ratio: 2.52 Failed⁵
Hex(823D7F)	Ratio: 1.05 Failed⁵	Ratio: 2.39 Failed⁵		Ratio: 1.26 Failed⁵	Ratio: 4.85 AA¹ AAA 18pt⁴	Ratio: 1.05 Failed⁵
Hex(544544)	Ratio: 1.20 Failed⁵	Ratio: 3.02 AA 18pt²	Ratio: 1.26 Failed⁵		Ratio: 6.13 AA¹ AAA 18pt⁴	Ratio: 1.20 Failed⁵
Hex(D4D4D4)	Ratio: 5.11 AA¹ AAA 18pt⁴	Ratio: 2.03 Failed⁵	Ratio: 4.85 AA¹ AAA 18pt⁴	Ratio: 6.13 AA¹ AAA 18pt⁴		Ratio: 5.11 AA¹ AAA 18pt⁴
Hex(545454)	Ratio: 1.00 Failed⁵	Ratio: 2.52 Failed⁵	Ratio: 1.05 Failed⁵	Ratio: 1.20 Failed⁵	Ratio: 5.11 AA¹ AAA 18pt⁴	

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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