

Converting Colors - WCAG Matrix

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

	Hex(848484)	Hex(847777)	Hex(846A6A)	Hex(845C5C)	Hex(844F4F)	Hex(844242)	Hex(843535)	Hex(842828)	Hex(841A1A)	Hex(840D0D)
Hex(848484)		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 2.75 Failed ⁵
Hex(847777)	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(846A6A)	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(845C5C)	Ratio: 1.53 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(844F4F)	Ratio: 1.75 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(844242)	Ratio: 1.98 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(843535)	Ratio: 2.21 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(842828)	Ratio: 2.43 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(841A1A)	Ratio: 2.62 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(840D0D)	Ratio: 2.75 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.05 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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