

Converting Colors - WCAG Matrix

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

	Hex(858585)	Hex(857878)	Hex(856A6A)	Hex(855D5D)	Hex(855050)	Hex(854343)	Hex(853535)	Hex(852828)	Hex(851B1B)	Hex(850D0D)
Hex(858585)		Ratio: 1.15 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(857878)	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(856A6A)	Ratio: 1.33 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(855D5D)	Ratio: 1.53 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(855050)	Ratio: 1.75 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(854343)	Ratio: 1.98 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(853535)	Ratio: 2.22 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(852828)	Ratio: 2.44 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(851B1B)	Ratio: 2.62 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(850D0D)	Ratio: 2.76 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.40 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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