

Converting Colors - WCAG Matrix

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

	Hex(A8A8A8)	Hex(A89797)	Hex(A88686)	Hex(A87676)	Hex(A86565)	Hex(A85454)	Hex(A84343)	Hex(A83232)	Hex(A82222)	Hex(A81111)
Hex(A8A8A8)		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.21 AA 18pt ²
Hex(A89797)	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(A88686)	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(A87676)	Ratio: 1.60 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(A86565)	Ratio: 1.87 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(A85454)	Ratio: 2.17 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(A84343)	Ratio: 2.49 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(A83232)	Ratio: 2.79 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(A82222)	Ratio: 3.03 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(A81111)	Ratio: 3.21 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.06 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.