

Converting Colors - WCAG Matrix

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

	Hex(B51A1A)	Hex(B52C2C)	Hex(B53E3E)	Hex(B55050)	Hex(B56262)	Hex(B57575)	Hex(B58787)	Hex(B59999)	Hex(B5ABAB)	Hex(B5BDBD)
Hex(B51A1A)		Ratio: 1.07 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.51 AA 18pt ²
Hex(B52C2C)	Ratio: 1.07 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.27 AA 18pt ²
Hex(B53E3E)	Ratio: 1.19 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(B55050)	Ratio: 1.35 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(B56262)	Ratio: 1.56 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(B57575)	Ratio: 1.84 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(B58787)	Ratio: 2.17 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(B59999)	Ratio: 2.55 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(B5ABAB)	Ratio: 3.00 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(B5BDBD)	Ratio: 3.51 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 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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