

Converting Colors - WCAG Matrix

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

	Hex(6C1515)	Hex(6C2020)	Hex(6C2B2B)	Hex(6C3535)	Hex(6C4040)	Hex(6C4B4B)	Hex(6C5656)	Hex(6C6161)	Hex(6C6B6B)	Hex(6C7676)
Hex(6C1515)		Ratio: 1.06 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(6C2020)	Ratio: 1.06 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(6C2B2B)	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(6C3535)	Ratio: 1.25 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(6C4040)	Ratio: 1.39 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(6C4B4B)	Ratio: 1.56 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(6C5656)	Ratio: 1.77 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(6C6161)	Ratio: 2.00 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(6C6B6B)	Ratio: 2.25 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(6C7676)	Ratio: 2.56 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 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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