

Converting Colors - WCAG Matrix

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

	Hex(6D0001)	Hex(6D0B0C)	Hex(6D1617)	Hex(6D2121)	Hex(6D2C2C)	Hex(6D3737)	Hex(6D4142)	Hex(6D4C4D)	Hex(6D5757)	Hex(6D6262)
Hex(6D0001)		Ratio: 1.03 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(6D0B0C)	Ratio: 1.03 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(6D1617)	Ratio: 1.08 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(6D2121)	Ratio: 1.14 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(6D2C2C)	Ratio: 1.24 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(6D3737)	Ratio: 1.36 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(6D4142)	Ratio: 1.51 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(6D4C4D)	Ratio: 1.69 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(6D5757)	Ratio: 1.91 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(6D6262)	Ratio: 2.17 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 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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