

Converting Colors - WCAG Matrix

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

	Hex(37206F)	Hex(3F2B6F)	Hex(47366F)	Hex(4F416F)	Hex(564C6F)	Hex(5E576F)	Hex(66636F)	Hex(6E6E6F)	Hex(76796F)	Hex(7E846F)
Hex(37206F)		Ratio: 1.12 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(3F2B6F)	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(47366F)	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.67 Failed ⁵
Hex(4F416F)	Ratio: 1.45 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(564C6F)	Ratio: 1.66 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(5E576F)	Ratio: 1.92 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(66636F)	Ratio: 2.24 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(6E6E6F)	Ratio: 2.58 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(76796F)	Ratio: 2.96 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(7E846F)	Ratio: 3.39 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 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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