

Converting Colors - WCAG Matrix

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

	Hex(4F3B2B)	Hex(4F4033)	Hex(4F453B)	Hex(4F4742)	Hex(4F4D4A)	Hex(4F5254)	Hex(4F575C)	Hex(4F5963)	Hex(4F5E6B)	Hex(4F6373)
Hex(4F3B2B)		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(4F4033)	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(4F453B)	Ratio: 1.13 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(4F4742)	Ratio: 1.16 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(4F4D4A)	Ratio: 1.25 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(4F5254)	Ratio: 1.34 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(4F575C)	Ratio: 1.43 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(4F5963)	Ratio: 1.48 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(4F5E6B)	Ratio: 1.58 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(4F6373)	Ratio: 1.69 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.07 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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