

Converting Colors - WCAG Matrix

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

	Hex(802819)	Hex(803326)	Hex(803E33)	Hex(80493F)	Hex(80544C)	Hex(805F59)	Hex(806A66)	Hex(807573)	Hex(807F7F)	Hex(808A8C)
Hex(802819)		Ratio: 1.08 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.65 Failed ⁵
Hex(803326)	Ratio: 1.08 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(803E33)	Ratio: 1.19 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(80493F)	Ratio: 1.32 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(80544C)	Ratio: 1.47 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(805F59)	Ratio: 1.65 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(806A66)	Ratio: 1.87 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(807573)	Ratio: 2.11 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(807F7F)	Ratio: 2.35 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(808A8C)	Ratio: 2.65 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.26 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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