

Converting Colors - WCAG Matrix

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

	Hex(481E2C)	Hex(482531)	Hex(482C36)	Hex(48343A)	Hex(483B3F)	Hex(484244)	Hex(484949)	Hex(48504E)	Hex(485852)	Hex(485F57)
Hex(481E2C)		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(482531)	Ratio: 1.06 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(482C36)	Ratio: 1.13 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(48343A)	Ratio: 1.22 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(483B3F)	Ratio: 1.32 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(484244)	Ratio: 1.43 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(484949)	Ratio: 1.55 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(48504E)	Ratio: 1.69 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(485852)	Ratio: 1.87 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(485F57)	Ratio: 2.04 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.09 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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