

Converting Colors - WCAG Matrix

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

	Hex(522B39)	Hex(52333E)	Hex(523B44)	Hex(524449)	Hex(524C4E)	Hex(525453)	Hex(525C59)	Hex(52645E)	Hex(526D63)	Hex(527568)
Hex(522B39)		Ratio: 1.08 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(52333E)	Ratio: 1.08 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(523B44)	Ratio: 1.17 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(524449)	Ratio: 1.29 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(524C4E)	Ratio: 1.42 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(525453)	Ratio: 1.56 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(525C59)	Ratio: 1.72 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(52645E)	Ratio: 1.90 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(526D63)	Ratio: 2.11 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(527568)	Ratio: 2.33 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.10 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.