

Converting Colors - WCAG Matrix

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

	Hex(585759)	Hex(544E59)	Hex(4F4559)	Hex(4B3C59)	Hex(463359)	Hex(422B59)	Hex(3D2259)	Hex(391959)	Hex(341059)	Hex(300759)
Hex(585759)		Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(544E59)	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(4F4559)	Ratio: 1.26 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(4B3C59)	Ratio: 1.40 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(463359)	Ratio: 1.56 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(422B59)	Ratio: 1.70 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(3D2259)	Ratio: 1.86 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(391959)	Ratio: 2.01 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(341059)	Ratio: 2.14 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(300759)	Ratio: 2.25 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.05 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.