

Converting Colors - WCAG Matrix

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

	Hex(615E66)	Hex(595466)	Hex(544A66)	Hex(4D4066)	Hex(453666)	Hex(402B66)	Hex(382166)	Hex(301766)	Hex(290D66)	Hex(240366)
Hex(615E66)		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(595466)	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(544A66)	Ratio: 1.30 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(4D4066)	Ratio: 1.47 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(453666)	Ratio: 1.67 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(402B66)	Ratio: 1.88 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(382166)	Ratio: 2.09 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(301766)	Ratio: 2.29 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(290D66)	Ratio: 2.46 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(240366)	Ratio: 2.58 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.23 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.

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