

Converting Colors - WCAG Matrix

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

	Hex(1D274C)	Hex(252D4C)	Hex(2C334C)	Hex(34394C)	Hex(3B3F4C)	Hex(43454C)	Hex(4B4B4C)	Hex(52514C)	Hex(5A574C)	Hex(615D4C)
Hex(1D274C)		Ratio: 1.08 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(252D4C)	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(2C334C)	Ratio: 1.16 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(34394C)	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	Ratio: 1.44 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(3B3F4C)	Ratio: 1.38 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(43454C)	Ratio: 1.52 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(4B4B4C)	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: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(52514C)	Ratio: 1.82 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(5A574C)	Ratio: 2.01 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(615D4C)	Ratio: 2.20 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.20 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.

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