

Converting Colors - WCAG Matrix

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

Hex(424B49) Hex(53615E) Hex(42484B) Hex(222625) Hex(00664F) Hex(00E6B3)

Hex(424B49)		Ratio: 1.39 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 5.56 AA ¹ AAA 18pt ⁴
Hex(53615E)	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 4.00 AA 18pt ²
Hex(42484B)	Ratio: 1.03 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.65 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 5.74 AA ¹ AAA 18pt ⁴
Hex(222625)	Ratio: 1.70 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.65 Failed ⁵		Ratio: 2.20 Failed ⁵	Ratio: 9.45 Passed ⁶
Hex(00664F)	Ratio: 1.29 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 2.20 Failed ⁵		Ratio: 4.30 AA 18pt ²
Hex(00E6B3)	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 9.45 Passed ⁶	Ratio: 4.30 AA 18pt ²	

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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