

Converting Colors - WCAG Matrix

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

Hex(145C85) Hex(829EAD) Hex(14853C) Hex(3D4D57) Hex(D6D6D6) Hex(575757)

	Hex(145C85)	Hex(829EAD)	Hex(14853C)	Hex(3D4D57)	Hex(D6D6D6)	Hex(575757)
Hex(145C85)		Ratio: 2.57 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵
Hex(829EAD)	Ratio: 2.57 Failed ⁵		Ratio: 1.67 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 1.94 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(14853C)	Ratio: 1.53 Failed ⁵	Ratio: 1.67 Failed ⁵		Ratio: 1.86 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 1.53 Failed ⁵
Hex(3D4D57)	Ratio: 1.21 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 1.86 Failed ⁵		Ratio: 6.03 AA ¹ AAA 18pt ⁴	Ratio: 1.21 Failed ⁵
Hex(D6D6D6)	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 1.94 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 6.03 AA ¹ AAA 18pt ⁴		Ratio: 4.97 AA ¹ AAA 18pt ⁴
Hex(575757)	Ratio: 1.00 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 4.97 AA ¹ AAA 18pt ⁴	

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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