

Converting Colors - WCAG Matrix

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

	Hex(2D5AA3)	Hex(3D64A3)	Hex(4E6EA3)	Hex(5E78A3)	Hex(6E82A3)	Hex(7E8CA3)	Hex(8F97A3)	Hex(9FA1A3)	Hex(AFABA3)	Hex(C0B5A3)
Hex(2D5AA3)		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.35 AA 18pt ²
Hex(3D64A3)	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(4E6EA3)	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(5E78A3)	Ratio: 1.51 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(6E82A3)	Ratio: 1.74 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(7E8CA3)	Ratio: 1.99 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(8F97A3)	Ratio: 2.30 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(9FA1A3)	Ratio: 2.61 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(AFABA3)	Ratio: 2.96 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(C0B5A3)	Ratio: 3.35 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 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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