

Converting Colors - WCAG Matrix

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

	Hex(1F30B0)	Hex(3140B0)	Hex(424FB0)	Hex(545FB0)	Hex(656EB0)	Hex(777EB0)	Hex(898DB0)	Hex(9A9DB0)	Hex(ACACB0)	Hex(BDBC B0)
Hex(1F30B0)		Ratio: 1.18 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.71 AA 18pt ²	Ratio: 4.40 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(3140B0)	Ratio: 1.18 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 4.41 AA 18pt ²
Hex(424FB0)	Ratio: 1.41 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.69 AA 18pt ²
Hex(545FB0)	Ratio: 1.73 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(656EB0)	Ratio: 2.09 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(777EB0)	Ratio: 2.56 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(898DB0)	Ratio: 3.08 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(9A9DB0)	Ratio: 3.71 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(ACACB0)	Ratio: 4.40 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(BDBC B0)	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 4.41 AA 18pt ²	Ratio: 3.69 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 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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