

Converting Colors - WCAG Matrix

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

	Hex(7D86B0)	Hex(6B78B0)	Hex(5A69B0)	Hex(485BB0)	Hex(374CB0)	Hex(253EB0)	Hex(132FB0)	Hex(0221B0)	Hex(001FB0)
Hex(7D86B0)		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.24 AA 18pt ²
Hex(6B78B0)	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(5A69B0)	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(485BB0)	Ratio: 1.74 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(374CB0)	Ratio: 2.09 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(253EB0)	Ratio: 2.47 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(132FB0)	Ratio: 2.87 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(0221B0)	Ratio: 3.20 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(001FB0)	Ratio: 3.24 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.01 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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