

Converting Colors - WCAG Matrix

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

	Hex(0062F0)	Hex(1870F0)	Hex(307EF0)	Hex(488CF0)	Hex(609BF0)	Hex(78A9F0)	Hex(90B7F0)	Hex(A8C5F0)	Hex(C0D4F0)	Hex(D8E2F0)
Hex(0062F0)		Ratio: 1.15 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.01 AA 18pt ²
Hex(1870F0)	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.48 AA 18pt ²
Hex(307EF0)	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(488CF0)	Ratio: 1.57 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(609BF0)	Ratio: 1.86 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(78A9F0)	Ratio: 2.18 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(90B7F0)	Ratio: 2.55 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(A8C5F0)	Ratio: 2.97 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(C0D4F0)	Ratio: 3.47 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(D8E2F0)	Ratio: 4.01 AA 18pt ²	Ratio: 3.48 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.15 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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