

Converting Colors - WCAG Matrix

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

Hex(8CA3FF) Hex(738FFF) Hex(597AFF) Hex(4066FF) Hex(2652FF) Hex(0D3DFF) Hex(0033FF)

Hex(8CA3FF)		Ratio: 1.24 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.81 Failed ⁵ AA 18pt ²
Hex(738FFF)	Ratio: 1.24 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.27 Failed ⁵ Ratio: 2.43 Failed ⁵
Hex(597AFF)	Ratio: 1.56 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.81 Failed ⁵ Ratio: 1.94 Failed ⁵
Hex(4066FF)	Ratio: 1.93 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.46 Failed ⁵ Ratio: 1.56 Failed ⁵
Hex(2652FF)	Ratio: 2.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.19 Failed ⁵ Ratio: 1.28 Failed ⁵
Hex(0D3DFF)	Ratio: 2.81 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.19 Failed ⁵	
Hex(0033FF)	Ratio: 3.02 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.07 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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