

Converting Colors - WCAG Matrix

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

Hex(45C1C8) Hex(36F4FF) Hex(4580C8) Hex(5A6363) Hex(009AA3) Hex(002224)

	Hex(45C1C8)	Hex(36F4FF)	Hex(4580C8)	Hex(5A6363)	Hex(009AA3)	Hex(002224)
Hex(45C1C8)		Ratio: 1.60 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 7.75 Passed ⁶
Hex(36F4FF)	Ratio: 1.60 Failed ⁵		Ratio: 3.00 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 2.53 Failed ⁵	Ratio: 12.39 Passed ⁶
Hex(4580C8)	Ratio: 1.88 Failed ⁵	Ratio: 3.00 AA 18pt ²		Ratio: 1.52 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 4.13 AA 18pt ²
Hex(5A6363)	Ratio: 2.86 Failed ⁵	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 1.52 Failed ⁵		Ratio: 1.81 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(009AA3)	Ratio: 1.58 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.81 Failed ⁵		Ratio: 4.90 AA ¹ AAA 18pt ⁴
Hex(002224)	Ratio: 7.75 Passed ⁶	Ratio: 12.39 Passed ⁶	Ratio: 4.13 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 4.90 AA ¹ AAA 18pt ⁴	

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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