

Converting Colors - WCAG Matrix

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

Hex(0091D4) Hex(0077B8) Hex(005F9D) Hex(004783) Hex(003169) Hex(001D51) Hex(FFFFFF)

	Hex(0091D4)	Hex(0077B8)	Hex(005F9D)	Hex(004783)	Hex(003169)	Hex(001D51)	Hex(FFFFFF)
Hex(0091D4)		Ratio: 1.39 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²
Hex(0077B8)	Ratio: 1.39 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(005F9D)	Ratio: 1.92 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(004783)	Ratio: 2.69 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 9.42 Passed ⁶
Hex(003169)	Ratio: 3.65 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 12.78 Passed ⁶
Hex(001D51)	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 16.22 Passed ⁶
Hex(FFFFFF)	Ratio: 3.50 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 9.42 Passed ⁶	Ratio: 12.78 Passed ⁶	Ratio: 16.22 Passed ⁶	

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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