

Converting Colors - WCAG Matrix

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

Hex(3C0005) Hex(4F0006) Hex(00233C) Hex(1F1C1C) Hex(5E0008) Hex(DE0012)

	Hex(3C0005)	Hex(4F0006)	Hex(00233C)	Hex(1F1C1C)	Hex(5E0008)	Hex(DE0012)
Hex(3C0005)		Ratio: 1.12 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(4F0006)	Ratio: 1.12 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(00233C)	Ratio: 1.09 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 3.15 AA 18pt ²
Hex(1F1C1C)	Ratio: 1.04 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 3.32 AA 18pt ²
Hex(5E0008)	Ratio: 1.24 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 2.78 Failed ⁵
Hex(DE0012)	Ratio: 3.44 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 2.78 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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