

Converting Colors - WCAG Matrix

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

	Hex(212123)	Hex(242423)	Hex(282823)	Hex(2B2B23)	Hex(2F2F23)	Hex(323223)	Hex(363623)	Hex(393923)	Hex(3D3D23)	Hex(404023)
Hex(212123)		Ratio: 1.03 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(242423)	Ratio: 1.03 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(282823)	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(2B2B23)	Ratio: 1.13 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(2F2F23)	Ratio: 1.19 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(323223)	Ratio: 1.24 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(363623)	Ratio: 1.31 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(393923)	Ratio: 1.37 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(3D3D23)	Ratio: 1.45 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(404023)	Ratio: 1.51 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 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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