

Converting Colors - WCAG Matrix

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

	Hex(1D1E21)	Hex(202021)	Hex(242321)	Hex(272521)	Hex(2A2821)	Hex(2E2A21)	Hex(312D21)	Hex(342F21)	Hex(373221)	Hex(3B3421)
Hex(1D1E21)		Ratio: 1.02 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(202021)	Ratio: 1.02 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(242321)	Ratio: 1.06 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(272521)	Ratio: 1.09 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(2A2821)	Ratio: 1.13 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(2E2A21)	Ratio: 1.17 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(312D21)	Ratio: 1.21 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(342F21)	Ratio: 1.25 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(373221)	Ratio: 1.30 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(3B3421)	Ratio: 1.35 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.04 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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