

Converting Colors - WCAG Matrix

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

	Hex(333333)	Hex(332E2E)	Hex(332929)	Hex(332424)	Hex(331F1F)	Hex(331A1A)	Hex(331414)	Hex(330F0F)	Hex(330A0A)	Hex(330505)
Hex(333333)		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(332E2E)	Ratio: 1.06 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(332929)	Ratio: 1.12 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(332424)	Ratio: 1.17 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(331F1F)	Ratio: 1.23 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(331A1A)	Ratio: 1.28 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(331414)	Ratio: 1.33 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(330F0F)	Ratio: 1.37 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(330A0A)	Ratio: 1.40 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(330505)	Ratio: 1.43 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.02 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.