

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(3A4433) Hex(49593E) Hex(334434) Hex(1F211E) Hex(276100) Hex(5BE000)**

	Hex(3A4433)	Hex(49593E)	Hex(334434)	Hex(1F211E)	Hex(276100)	Hex(5BE000)
Hex(3A4433)		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 5.89 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(49593E)	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 2.15 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 4.35 AA 18pt <sup>2</sup>
Hex(334434)	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 6.00 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(1F211E)	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 2.15 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>		Ratio: 2.16 Failed <sup>5</sup>	Ratio: 9.35 Passed <sup>6</sup>
Hex(276100)	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>		Ratio: 4.33 AA 18pt <sup>2</sup>
Hex(5BE000)	Ratio: 5.89 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.35 AA 18pt <sup>2</sup>	Ratio: 6.00 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 9.35 Passed <sup>6</sup>	Ratio: 4.33 AA 18pt <sup>2</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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