

# Converting Colors - WCAG Matrix

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

**Hex(643F00) Hex(825300) Hex(566400) Hex(33312E) Hex(734900) Hex(F29A00)**

	Hex(643F00)	Hex(825300)	Hex(566400)	Hex(33312E)	Hex(734900)	Hex(F29A00)
Hex(643F00)		<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.39</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.17</a> AA 18pt <sup>2</sup>
Hex(825300)	<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.97</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.95</a> Failed <sup>5</sup>
Hex(566400)	<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.99</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.92</a> Failed <sup>5</sup>
Hex(33312E)	<a href="#">Ratio: 1.39</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.97</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.99</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.66</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.80</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(734900)	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.66</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.50</a> AA 18pt <sup>2</sup>
Hex(F29A00)	<a href="#">Ratio: 4.17</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.95</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.80</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.50</a> 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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