

# Converting Colors - WCAG Matrix

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

Hex(EB0415) Hex(FF0013) Hex(04EB64) Hex(756A6A) Hex(B5000D) Hex(360004)

	Hex(EB0415)	Hex(FF0013)	Hex(04EB64)	Hex(756A6A)	Hex(B5000D)	Hex(360004)
Hex(EB0415)		<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.87</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.54</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.94</a> AA 18pt <sup>2</sup>
Hex(FF0013)	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.77</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.54</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(04EB64)	<a href="#">Ratio: 2.87</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.48</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.25</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.40</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 11.28</a> Passed <sup>6</sup>
Hex(756A6A)	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.25</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.48</a> AA 18pt <sup>2</sup>
Hex(B5000D)	<a href="#">Ratio: 1.54</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.77</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.40</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.56</a> Failed <sup>5</sup>
Hex(360004)	<a href="#">Ratio: 3.94</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.54</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 11.28</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.48</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.56</a> Failed <sup>5</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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