

Converting Colors

CIELCh(56, 83.976, 51.393)

Have a look what the booklet for
CIELCh(56, 83.976, 51.393) contains.

CIELCh(56, 83.821, 51.382)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 83.821, 51.382)

Conversions

Conversions Part 1

Format	Color
Hex	E65801
RGB	230, 88, 1
RGB Percent	90%, 35%, 0%
CMY	0.0967, 0.6537, 0.9943
CMYK	0.00, 0.62, 0.99, 0.10
HSL	23°, 99%, 45%
HSV	23°, 99%, 90%
XYZ	36.2682, 23.9124, 2.7453
YIQ	120.5400, 112.5590, 3.0470

Conversions

Conversions Part 2

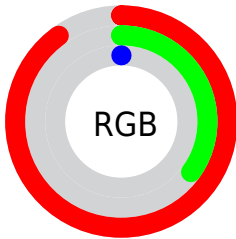
Format	Color
R_{YB}	230, 141, 1
Decimal	15095809
CIE _{Lab}	56.00, 52.31, 65.49
CIE _{LCh}	56, 83.821, 51.382
Yxy	23.9124, 0.5764, 0.3800
Android (android.graphics.Color)	4293285889 (0xFFE65801)
YUV	120.5400, -58.9332, 95.9964
Hunter-Lab	48.9003, 46.8136, 30.9016

Details

The CIELCh color **56, 83.821, 51.382** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **58, 52.658, 269.888**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 68.626, 57.700**, and **36, 72.321, 43.105** is the 20% darker color. If you saturate the color by 10%, you get **56, 84.222, 51.274**, and if you desaturate by 10%, it is **59, 77.147, 53.382**.

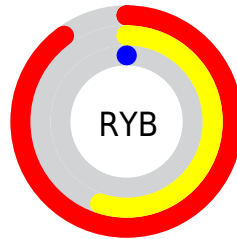
Distribution



Red (90%)

Green (35%)

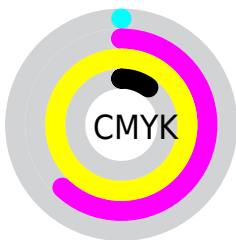
Blue (0%)



Red (90%)

Yellow (55%)

Blue (0%)

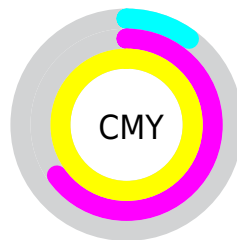


Cyan (0%)

Magenta (62%)

Yellow (99%)

Black (10%)



Cyan (10%)

Magenta (65%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 83.821, 51.382 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 56, 83.821, 51.382 by changing the saturation by 10% instead.

 56, 83.821, 51.382

 56, 83.821, 51.382

 100, 83.821,
51.382

 46, 83.821, 51.382

 76, 83.821, 51.382

 36, 83.821, 51.382

 86, 83.821, 51.382

 26, 83.821, 51.382

 96, 83.821, 51.382

 16, 83.821, 51.382

 6, 83.821, 51.382

 0, 83.821, 51.382

 56, 83.821, 51.382

 56, 83.821, 51.382

 56, 84.222, 51.274

 59, 77.147, 53.382

 61, 68.396, 54.649

65, 58.660, 55.505

68, 48.828, 56.243

72, 39.320, 56.988

75, 30.308, 57.783

79, 21.846, 58.632

83, 13.927, 59.524

88, 6.517, 60.421

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56, 83.821, 51.382



58, 52.658, 269.888

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56, 83.821, 51.382



56, 83.821, 101.382



56, 83.821, 231.382



56, 83.821, 281.382

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56, 83.818, 51.384



87, 24.296, 58.563



51, 81.997, 350.350



44, 16.819, 58.198



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 83.818, 51.384



61, 91.129, 51.061



81, 81.744, 93.335



46, 3.938, 60.414



44, 69.199, 51.912



10, 21.443, 47.915

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58, 52.658, 269.888



63, 57.400, 270.507



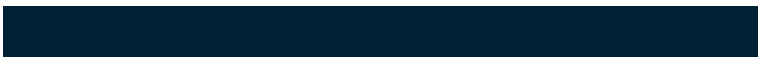
31, 115.938, 304.446



46, 3.782, 242.473



45, 43.190, 269.270



11, 16.257, 259.789

Previews

White Background



This preview shows how the CIELCh color 56, 83.821, 51.382 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 83.821, 51.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 83.821, 51.382

Background



This preview shows how black text looks on a background with the CIELCh color 56, 83.821, 51.382.



This preview shows how white text looks on a background with the CIELCh color 56, 83.821, 51.382.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

56, 83.821, 51.382

Protanopia

56, 56.480, 95.175

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 65.115, 26.650

Trichromacy



Original Color
56, 83.821, 51.382

Protanomaly
55, 60.864, 73.762

Deuteranomaly
55, 66.801, 68.649

Tritanomaly
56, 72.104, 39.671

Monochromacy



Original Color
56, 83.821, 51.382

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 30.794, 56.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 83.821, 51.382 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(230, 88, 1)` looks like.

```
.text, #text, p{  
    color:rgb(230, 88, 1)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 88, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 88, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 83.821, 51.382 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 88, 1) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(230, 88, 1) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(230, 88, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 88, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 88, 1);  
box-shadow:4px 4px 4px 4px rgb(230, 88, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 83.821, 51.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 88, 1) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230, 88,  
1) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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