

Converting Colors

CIELCh(56, 86.353, 50.081)

Have a look what the booklet for
CIELCh(56, 86.353, 50.081) contains.

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Color

CIELCh(56, 86.241, 50.015)

Conversions

Conversions Part 1

Format	Color
Hex	EA5400
RGB	234, 84, 0
RGB Percent	92%, 33%, 0%
CMY	0.0813, 0.6697, 0.9987
CMYK	0.00, 0.64, 1.00, 0.08
HSL	22°, 100%, 46%
HSV	22°, 100%, 92%
XYZ	37.2070, 23.9124, 2.6637
YIQ	119.2740, 116.3640, 5.6760

Conversions

Conversions Part 2

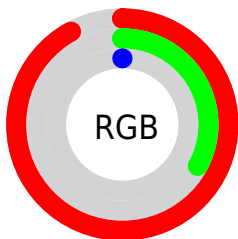
Format	Color
RYB	234, 131, 0
Decimal	15356928
CIELab	56.00, 55.42, 66.08
CIELCh	56, 86.241, 50.015
Yxy	23.9124, 0.5833, 0.3749
Android (android.graphics.Color)	4293547008 (0xFFEA5400)
YUV	119.2740, -58.8021, 100.6147
Hunter-Lab	48.9003, 50.2405, 31.0006

Details

The CIELCh color **56, 86.241, 50.015** 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 **60, 51.414, 267.014**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 69.373, 56.134**, and **36, 74.622, 41.813** is the 20% darker color. If you saturate the color by 10%, you get **56, 86.330, 49.996**, and if you desaturate by 10%, it is **59, 79.372, 51.853**.

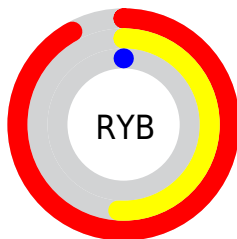
Distribution



Red (92%)

Green (33%)

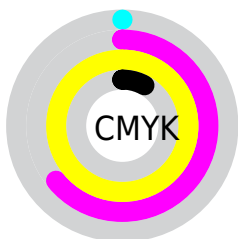
Blue (0%)



Red (92%)

Yellow (51%)

Blue (0%)

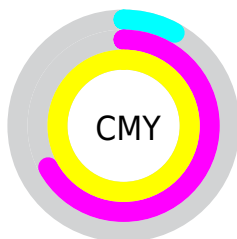


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 86.241, 50.015 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, 86.241, 50.015 by changing the saturation by 10% instead.

56, 86.241, 50.015

56, 86.241, 50.015

100, 86.241,
50.015

46, 86.241, 50.015

76, 86.241, 50.015

36, 86.241, 50.015

86, 86.241, 50.015

26, 86.241, 50.015

96, 86.241, 50.015

16, 86.241, 50.015

6, 86.241, 50.015

0, 86.241, 50.015

56, 86.241, 50.015

56, 86.241, 50.015

56, 86.330, 49.996

59, 79.372, 51.853

62, 70.371, 52.967

65, 60.340, 53.660

68, 50.219, 54.244

72, 40.449, 54.852

76, 31.210, 55.526

80, 22.555, 56.271

84, 14.478, 57.070

89, 6.943, 57.889

Harmonies

Complementary

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



56, 86.241, 50.015



60, 51.414, 267.014

Rectangle

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



56, 86.241, 50.015



56, 86.241, 100.015



56, 86.241, 230.015



56, 86.241, 280.015

Sweetspot

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



56, 86.238, 50.017



86, 24.296, 56.249



52, 83.784, 349.127



44, 16.830, 55.927



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, 86.238, 50.017



61, 92.205, 49.826



81, 82.064, 91.913



47, 3.998, 57.920



44, 70.762, 50.611



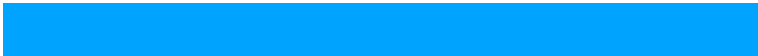
11, 22.903, 46.576

Inverse Universe

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



60, 51.414, 267.014



65, 55.058, 267.343



32, 116.361, 304.168



47, 3.828, 239.856



47, 41.954, 266.151



12, 16.366, 257.192

Previews

White Background



This preview shows how the CIELCh color 56, 86.241, 50.015 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, 86.241, 50.015 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, 86.241, 50.015

Background



This preview shows how black text looks on a background with the CIELCh color 56, 86.241, 50.015.



This preview shows how white text looks on a background with the CIELCh color 56, 86.241, 50.015.

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, 86.241, 50.015

Protanopia

56, 56.202, 95.170

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 68.599, 27.517

Trichromacy



Original Color
56, 86.241, 50.015

Protanomaly
55, 61.397, 72.496

Deuteranomaly
55, 67.410, 67.471

Tritanomaly
56, 75.462, 39.329

Monochromacy



Original Color
56, 86.241, 50.015

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 32.103, 54.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 86.241, 50.015 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(234, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(234, 84, 0)  
}
```

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(234, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 84, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 86.241, 50.015 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(234, 84, 0) }
```

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

```
.border{ border-color:rgb(234, 84, 0) }
```

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

Here you see how a box with a 4 pixel rgb(234, 84, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(234, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 86.241, 50.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 84, 0) }
```

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

```
.background{ background-color: rgb(234, 84,  
0) }
```

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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