

Converting Colors

CIELCh(65, 86.668, 55.412)

Have a look what the booklet for
CIELCh(65, 86.668, 55.412) contains.

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Color

CIELCh(65, 86.236, 55.617)

Conversions

Conversions Part 1

Format	Color
Hex	FF750B
RGB	255, 117, 11
RGB Percent	100%, 46%, 4%
CMY	0.0000, 0.5428, 0.9559
CMYK	0.00, 0.54, 0.96, 0.00
HSL	26°, 100%, 52%
HSV	26°, 96%, 100%
XYZ	47.8790, 34.0472, 4.3720
YIQ	146.1780, 116.2740, -3.7100

Conversions

Conversions Part 2

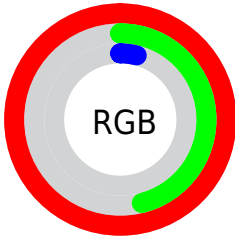
Format	Color
R _Y B	255, 198, 11
Decimal	16741643
CIE Lab	65.00, 48.70, 71.17
CIE LCh	65, 86.236, 55.617
Yxy	34.0472, 0.5548, 0.3945
Android (android.graphics.Color)	4294931723 (0xFFFF750B)
YUV	146.1780, -66.6428, 95.4369
Hunter-Lab	58.3500, 44.3555, 36.4025

Details

The CIELCh color **65, 86.236, 55.617** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **61, 61.450, 275.452**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 64.186, 69.857**, and **45, 74.331, 49.248** is the 20% darker color. If you saturate the color by 10%, you get **64, 88.506, 54.562**, and if you desaturate by 10%, it is **68, 78.745, 57.953**.

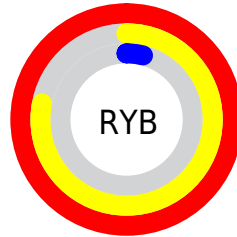
Distribution



Red (100%)

Green (46%)

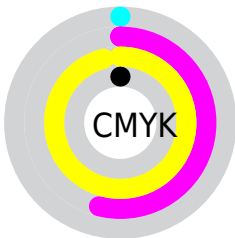
Blue (4%)



Red (100%)

Yellow (78%)

Blue (4%)

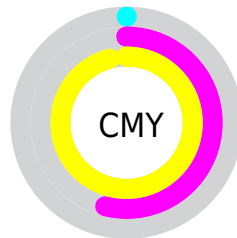


Cyan (0%)

Magenta (54%)

Yellow (96%)

Black (0%)



Cyan (0%)

Magenta (54%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 86.236, 55.617 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 65, 86.236, 55.617 by changing the saturation by 10% instead.

 65, 86.236, 55.617

 65, 86.236, 55.617

 100, 86.236,
55.617

 55, 86.236, 55.617

 85, 86.236, 55.617

 45, 86.236, 55.617

 95, 86.236, 55.617

 35, 86.236, 55.617

 25, 86.236, 55.617

 15, 86.236, 55.617

 5, 86.236, 55.617

 0, 86.236, 55.617

 65, 86.236, 55.617

 65, 86.236, 55.617

 64, 88.506, 54.562

 68, 78.745, 57.953

71, 69.367, 59.451

74, 59.161, 60.621

78, 48.910, 61.683

82, 38.983, 62.729

85, 29.534, 63.793

89, 20.604, 64.877

94, 12.185, 65.968

98, 4.242, 67.003

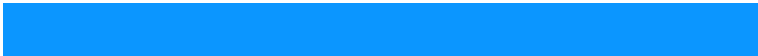
Harmonies

Complementary

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



65, 86.236, 55.617



61, 61.450, 275.452

Rectangle

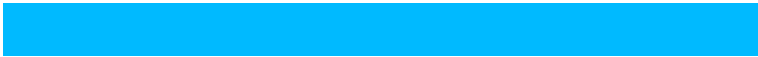
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 86.236, 55.617



65, 86.236, 105.617



65, 86.236, 235.617



65, 86.236, 285.617

Sweetspot

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



65, 85.982, 55.720



88, 23.589, 64.506



56, 86.397, 353.621



45, 16.396, 64.044



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 85.982, 55.720



64, 88.506, 54.562



92, 90.590, 97.397



51, 4.364, 66.617



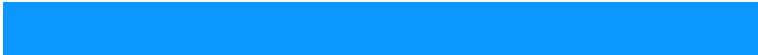
49, 70.920, 55.261



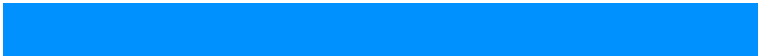
15, 27.235, 55.201

Inverse Universe

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



61, 61.450, 275.452



59, 64.027, 277.612



35, 126.881, 304.938



51, 4.223, 248.957



45, 50.781, 276.694



13, 21.025, 269.661

Previews

White Background



This preview shows how the CIELCh color 65, 86.236, 55.617 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 65, 86.236, 55.617 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 ✓ Pass

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

CIELCh 65, 86.236, 55.617

Background



This preview shows how black text looks on a background with the CIELCh color 65, 86.236, 55.617.



This preview shows how white text looks on a background with the CIELCh color 65, 86.236, 55.617.

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

65, 85.944, 55.859

Protanopia

65, 64.075, 95.032

Deuteranopia

65, 69.612, 83.644



Tritanopia
65, 60.313, 23.313

Trichromacy



Original Color
65, 85.944, 55.859

Protanomaly
64, 67.168, 77.195

Deuteranomaly
64, 73.059, 71.643

Tritanomaly
65, 68.766, 40.894

Monochromacy



Original Color
65, 85.944, 55.859

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 31.778, 62.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 86.236, 55.617 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(255, 117, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 11)  
}
```

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(255, 117, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 86.236, 55.617 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(255, 117, 11) }
```

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

```
.border{ border-color:rgb(255, 117, 11) }
```

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

Here you see how a box with a 4 pixel rgb(255, 117, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 86.236, 55.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 11) }
```

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

```
.background{ background-color: rgb(255,  
117, 11) }
```

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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