

Converting Colors

CIELCh(65, 85.780, 55.706)

Have a look what the booklet for
CIELCh(65, 85.780, 55.706) contains.

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Color

CIELCh(65, 85.682, 55.726)

Conversions

Conversions Part 1

Format	Color
Hex	FF750D
RGB	255, 117, 13
RGB Percent	100%, 46%, 5%
CMY	0.0000, 0.5408, 0.9484
CMYK	0.00, 0.54, 0.95, 0.00
HSL	26°, 100%, 53%
HSV	26°, 95%, 100%
XYZ	47.7176, 34.0472, 4.4423
YIQ	146.4060, 115.6320, -3.0880

Conversions

Conversions Part 2

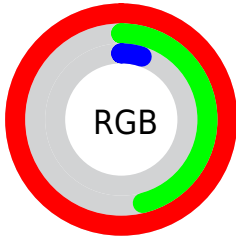
Format	Color
R _Y B	255, 195, 13
Decimal	16741645
CIE Lab	65.00, 48.25, 70.80
CIE LCh	65, 85.682, 55.726
Yxy	34.0472, 0.5535, 0.3949
Android (android.graphics.Color)	4294931725 (0xFFFF750D)
YUV	146.4060, -65.7692, 95.2369
Hunter-Lab	58.3500, 43.8619, 36.3311

Details

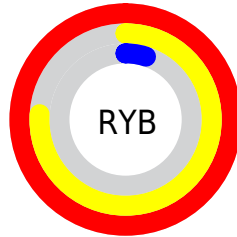
The CIELCh color **65, 85.682, 55.726** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **61, 60.724, 274.768**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 63.799, 69.683**, and **45, 74.331, 49.248** is the 20% darker color. If you saturate the color by 10%, you get **64, 88.622, 54.388**, and if you desaturate by 10%, it is **68, 78.164, 57.886**.

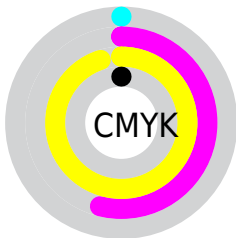
Distribution



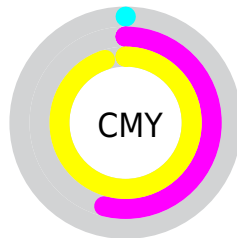
- Red (100%)
- Green (46%)
- Blue (5%)



- Red (100%)
- Yellow (76%)
- Blue (5%)



- Cyan (0%)
- Magenta (54%)
- Yellow (95%)
- Black (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 85.682, 55.726 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, 85.682, 55.726 by changing the saturation by 10% instead.

 65, 85.682, 55.726

 65, 85.682, 55.726

 100, 85.682,
55.726

 55, 85.682, 55.726

 85, 85.682, 55.726

 45, 85.682, 55.726

 95, 85.682, 55.726

 35, 85.682, 55.726

 25, 85.682, 55.726

 15, 85.682, 55.726

 5, 85.682, 55.726

 0, 85.682, 55.726

 65, 85.682, 55.726

 65, 85.682, 55.726

 64, 88.622, 54.388

 68, 78.164, 57.886

71, 68.655, 59.331

74, 58.403, 60.472

78, 48.152, 61.518

82, 38.249, 62.554

86, 28.834, 63.609

90, 19.943, 64.686

94, 11.565, 65.768

98, 3.662, 66.780

Harmonies

Complementary

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



65, 85.682, 55.726



61, 60.724, 274.768

Rectangle

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



65, 85.682, 55.726



65, 85.682, 105.726



65, 85.682, 235.726



65, 85.682, 285.726

Sweetspot

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



65, 85.647, 55.741



88, 22.693, 64.344



56, 86.371, 353.379



45, 15.874, 63.880



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, 85.647, 55.741



64, 88.622, 54.388



92, 90.469, 97.446



51, 4.360, 66.334



48, 71.010, 55.086



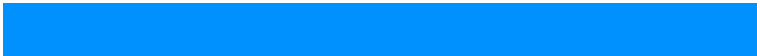
15, 27.250, 54.968

Inverse Universe

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



61, 60.724, 274.768



60, 63.699, 277.309



35, 126.253, 304.824



51, 4.217, 248.663



45, 50.526, 276.389



14, 20.935, 269.341

Previews

White Background



This preview shows how the CIELCh color 65, 85.682, 55.726 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, 85.682, 55.726 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, 85.682, 55.726

Background



This preview shows how black text looks on a background with the CIELCh color 65, 85.682, 55.726.



This preview shows how white text looks on a background with the CIELCh color 65, 85.682, 55.726.

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, 85.682, 55.726

Protanopia

65, 64.099, 95.484

Deuteranopia

65, 69.788, 83.291



Tritanopia
65, 60.313, 23.313

Trichromacy



Original Color
65, 85.682, 55.726

Protanomaly
64, 67.017, 77.626

Deuteranomaly
64, 73.197, 71.318

Tritanomaly
65, 68.471, 40.543

Monochromacy



Original Color
65, 85.682, 55.726

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 31.359, 61.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 85.682, 55.726 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 85.682, 55.726 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, 13) }
```

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

```
.border{ border-color:rgb(255, 117, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 85.682, 55.726 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, 13) }
```

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

```
.background{ background-color: rgb(255,  
117, 13) }
```

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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