

Converting Colors

CIELCh(66, 81.769, 56.597)

Have a look what the booklet for
CIELCh(66, 81.769, 56.597) contains.

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Color

CIELCh(66, 81.866, 56.508)

Conversions

Conversions Part 1

Format	Color
Hex	FE7B1B
RGB	254, 123, 27
RGB Percent	100%, 48%, 11%
CMY	0.0038, 0.5175, 0.8940
CMYK	0.00, 0.52, 0.89, 0.00
HSL	25°, 99%, 55%
HSV	25°, 89%, 100%
XYZ	48.1634, 35.3238, 5.3178
YIQ	151.2250, 108.8920, -2.0840

Conversions

Conversions Part 2

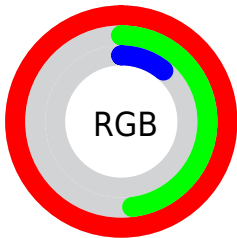
Format	Color
RYB	254, 193, 27
Decimal	16677659
CIELab	66.00, 45.18, 68.27
CIELCh	66, 81.866, 56.508
Yxy	35.3238, 0.5424, 0.3978
Android (android.graphics.Color)	4294867739 (0xFFFE7B1B)
YUV	151.2250, -61.2429, 90.1337
Hunter-Lab	59.4338, 40.6419, 36.2988

Details

The CIELCh color **66, 81.866, 56.508** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **63, 56.737, 271.144**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 60.988, 71.419**, and **46, 73.040, 51.063** is the 20% darker color. If you saturate the color by 10%, you get **63, 88.300, 54.067**, and if you desaturate by 10%, it is **69, 73.018, 58.162**.

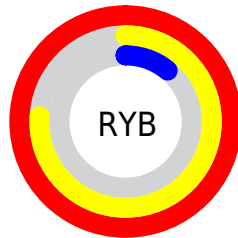
Distribution



Red (100%)

Green (48%)

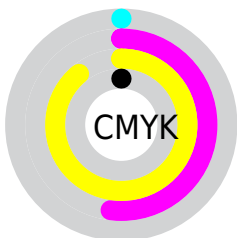
Blue (11%)



Red (100%)

Yellow (76%)

Blue (11%)

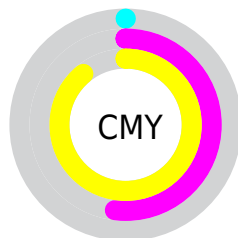


Cyan (0%)

Magenta (52%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 81.866, 56.508 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 66, 81.866, 56.508 by changing the saturation by 10% instead.

66, 81.866, 56.508

66, 81.866, 56.508

100, 81.866,
56.508

56, 81.866, 56.508

86, 81.866, 56.508

46, 81.866, 56.508

96, 81.866, 56.508

36, 81.866, 56.508

26, 81.866, 56.508

16, 81.866, 56.508

6, 81.866, 56.508

0, 81.866, 56.508

66, 81.866, 56.508

66, 81.866, 56.508

63, 88.300, 54.067

69, 73.018, 58.162

63, 88.686, 53.917

72, 62.937, 59.359

76, 52.608, 60.390

80, 42.521, 61.389

83, 32.889, 62.404

87, 23.784, 63.446

92, 15.209, 64.506

96, 7.135, 65.554

100, 0.326,
205.417

Harmonies

Complementary

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



66, 81.866, 56.508



63, 56.737, 271.144

Rectangle

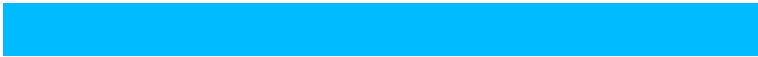
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 81.866, 56.508



66, 81.866, 106.508



66, 81.866, 236.508



66, 81.866, 286.508

Sweetspot

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



66, 81.863, 56.511



89, 21.780, 63.695



56, 85.523, 351.714



46, 14.832, 63.335



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 81.863, 56.511



63, 88.951, 53.909



92, 88.826, 97.824



51, 4.349, 65.540



48, 71.264, 54.603



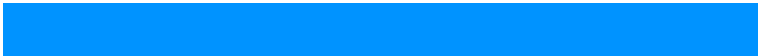
15, 27.293, 54.324

Inverse Universe

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



63, 56.737, 271.144



60, 62.797, 276.453



37, 120.507, 303.853



51, 4.201, 247.841



46, 49.823, 275.525



14, 20.689, 268.440

Previews

White Background



This preview shows how the CIELCh color 66, 81.866, 56.508 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 66, 81.866, 56.508 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 66, 81.866, 56.508

Background



This preview shows how black text looks on a background with the CIELCh color 66, 81.866, 56.508.



This preview shows how white text looks on a background with the CIELCh color 66, 81.866, 56.508.

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

66, 81.866, 56.508

Protanopia

66, 62.060, 95.117

Deuteranopia

66, 70.537, 83.156



Tritanopia
66, 57.507, 22.559

Trichromacy



Original Color
66, 81.866, 56.508

Protanomaly
65, 64.918, 77.668

Deuteranomaly
65, 73.032, 71.853

Tritanomaly
66, 64.526, 39.618

Monochromacy



Original Color
66, 81.866, 56.508

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 28.860, 62.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 81.866, 56.508 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(254, 123, 27)` looks like.

```
.text, #text, p{  
    color:rgb(254, 123, 27)  
}
```

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(254, 123, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 123, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 81.866, 56.508 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(254, 123, 27) }
```

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

```
.border{ border-color:rgb(254, 123, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 123, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 123, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 123, 27);  
box-shadow:4px 4px 4px 4px rgb(254, 123,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 81.866, 56.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 123, 27) }
```

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

```
.background{ background-color: rgb(254,  
123, 27) }
```

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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