

Converting Colors

CIELCh(66, 67.672, 61.150)

Have a look what the booklet for
CIELCh(66, 67.672, 61.150) contains.

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Color

CIELCh(66, 67.720, 61.201)

Conversions

Conversions Part 1

Format	Color
Hex	EC8732
RGB	236, 135, 50
RGB Percent	93%, 53%, 20%
CMY	0.0752, 0.4711, 0.8045
CMYK	0.00, 0.43, 0.79, 0.08
HSL	27°, 83%, 56%
HSV	27°, 79%, 92%
XYZ	43.7554, 35.3238, 7.5140
YIQ	155.5090, 87.4810, -5.0230

Conversions

Conversions Part 2

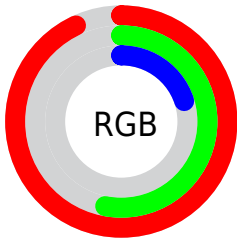
Format	Color
R _Y B	236, 207, 50
Decimal	15501106
CIE Lab	66.00, 32.62, 59.34
CIE LCh	66, 67.720, 61.201
Yxy	35.3238, 0.5053, 0.4079
Android (android.graphics.Color)	4293691186 (0xFFEC8732)
YUV	155.5090, -52.0159, 70.5906
Hunter-Lab	59.4338, 27.4032, 34.1079

Details

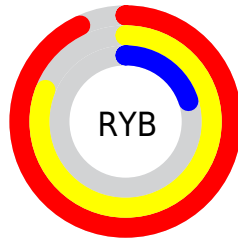
The CIELCh color **66, 67.720, 61.201** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **61, 50.875, 270.412**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 54.563, 74.257**, and **46, 64.411, 59.374** is the 20% darker color. If you saturate the color by 10%, you get **63, 75.770, 59.396**, and if you desaturate by 10%, it is **69, 58.505, 62.582**.

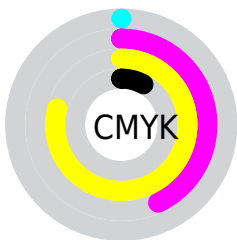
Distribution



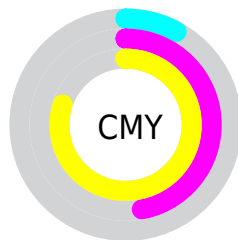
- Red (93%)
- Green (53%)
- Blue (20%)



- Red (93%)
- Yellow (81%)
- Blue (20%)



- Cyan (0%)
- Magenta (43%)
- Yellow (79%)
- Black (8%)



- Cyan (8%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 67.720, 61.201 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, 67.720, 61.201 by changing the saturation by 10% instead.

66, 67.720, 61.201

66, 67.720, 61.201

100, 67.720,
61.201

56, 67.720, 61.201

86, 67.720, 61.201

46, 67.720, 61.201

96, 67.720, 61.201

36, 67.720, 61.201

26, 67.720, 61.201

16, 67.720, 61.201

6, 67.720, 61.201

0, 67.720, 61.201

66, 67.720, 61.201

66, 67.720, 61.201

63, 75.770, 59.396

69, 58.505, 62.582

61, 81.621, 56.845

72, 49.006, 63.788

60, 82.251, 56.563

76, 39.673, 64.943

79, 30.705, 66.093

83, 22.176, 67.250

86, 14.096, 68.408

90, 6.442, 69.538

94, 0.820, 251.320

97, 5.451, 226.603

Harmonies

Complementary

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



66, 67.720, 61.201



61, 50.875, 270.412

Rectangle

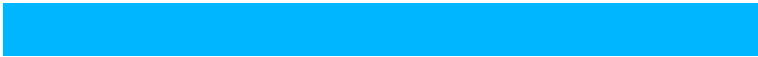
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 67.720, 61.201



66, 67.720, 111.201



66, 67.720, 241.201



66, 67.720, 291.201

Sweetspot

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



66, 67.718, 61.204



90, 19.393, 67.801



54, 76.321, 351.355



47, 13.455, 67.386



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, 67.718, 61.204



66, 84.667, 57.780



88, 80.910, 100.642



47, 4.121, 69.472



47, 67.172, 57.256



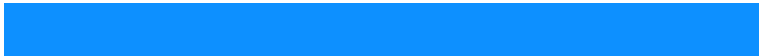
12, 22.244, 56.368

Inverse Universe

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



61, 50.875, 270.412



59, 64.216, 278.150



38, 104.516, 302.451



47, 4.004, 251.881



41, 51.123, 279.449



10, 19.111, 270.902

Previews

White Background



This preview shows how the CIELCh color 66, 67.720, 61.201 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, 67.720, 61.201 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, 67.720, 61.201

Background



This preview shows how black text looks on a background with the CIELCh color 66, 67.720, 61.201.



This preview shows how white text looks on a background with the CIELCh color 66, 67.720, 61.201.

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, 67.720, 61.201

Protanopia

66, 54.653, 95.309

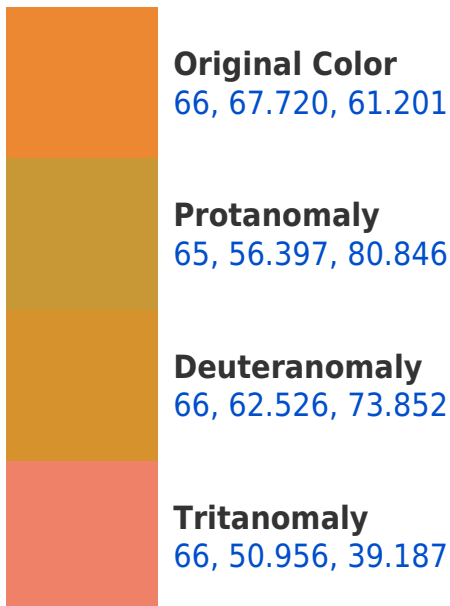
Deuteranopia

66, 61.197, 82.205



Tritanopia
66, 47.052, 18.915

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 67.720, 61.201 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(236, 135, 50)` looks like.

```
.text, #text, p{  
    color:rgb(236, 135, 50)  
}
```

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(236, 135, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 135, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 67.720, 61.201 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(236, 135, 50) }
```

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

```
.border{ border-color:rgb(236, 135, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 135, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 135, 50); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 135, 50); box-shadow:4px 4px 4px 4px rgb(236, 135, 50) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 67.720, 61.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 135, 50) }
```

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

```
.background{ background-color: rgb(236,  
135, 50) }
```

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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