

Converting Colors

CIELCh(62, 88.828, 52.965)

Have a look what the booklet for
CIELCh(62, 88.828, 52.965) contains.

CIELCh(62, 88.828, 52.965)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(62, 88.828, 52.965)

Conversions

Conversions Part 1

Format	Color
Hex	FC6700
RGB	252, 103, 0
RGB Percent	99%, 40%, 0%
CMY	0.0117, 0.5960, 0.9999
CMYK	0.00, 0.59, 1.00, 0.01
HSL	25°, 100%, 49%
HSV	25°, 100%, 99%
XYZ	45.0036, 30.4025, 3.4971
YIQ	135.8090, 121.8670, -0.4450

Conversions

Conversions Part 2

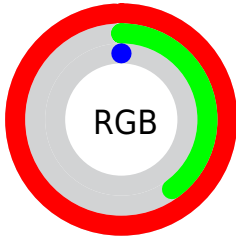
Format	Color
R _Y B	252, 174, 0
Decimal	16541440
CIE Lab	62.00, 53.50, 70.91
CIE LCh	62, 88.828, 52.965
Yxy	30.4025, 0.5704, 0.3853
Android (android.graphics.Color)	4294731520 (0xFFFC6700)
YUV	135.8090, -66.9538, 101.8995
Hunter-Lab	55.1385, 49.1979, 34.8365

Details

The CIELCh color **62, 88.828, 52.965** 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 **60, 60.385, 274.566**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 66.672, 64.143**, and **42, 76.808, 45.277** is the 20% darker color. If you saturate the color by 10%, you get **62, 88.834, 52.964**, and if you desaturate by 10%, it is **65, 82.327, 55.320**.

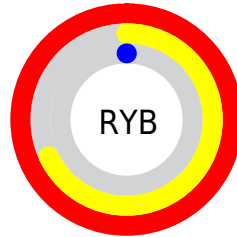
Distribution



Red (99%)

Green (40%)

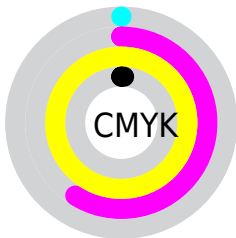
Blue (0%)



Red (99%)

Yellow (68%)

Blue (0%)

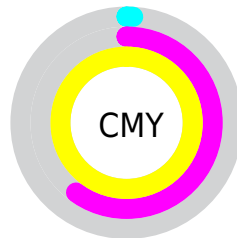


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 88.828, 52.965 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 62, 88.828, 52.965 by changing the saturation by 10% instead.

62, 88.828, 52.965

62, 88.828, 52.965

100, 88.828,
52.965

52, 88.828, 52.965

82, 88.828, 52.965

42, 88.828, 52.965

92, 88.828, 52.965

32, 88.828, 52.965

22, 88.828, 52.965

12, 88.828, 52.965

2, 88.828, 52.965

0, 88.828, 52.965

62, 88.828, 52.965

62, 88.828, 52.965

62, 88.834, 52.964

65, 82.327, 55.320

68, 73.468, 56.905

71, 63.345, 58.018

75, 52.973, 58.965

78, 42.858, 59.887

82, 33.216, 60.833

86, 24.119, 61.815

90, 15.570, 62.824

95, 7.540, 63.830

Harmonies

Complementary

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



62, 88.828, 52.965



60, 60.385, 274.566

Rectangle

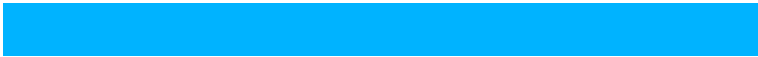
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 88.828, 52.965



62, 88.828, 102.965



62, 88.828, 232.965



62, 88.828, 282.965

Sweetspot

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



62, 88.825, 52.967



87, 24.364, 61.812



55, 86.328, 353.556



45, 16.850, 61.393



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 88.825, 52.967



63, 89.647, 52.940



90, 89.407, 95.851



50, 4.256, 63.879



47, 71.070, 53.662



14, 26.190, 52.674

Inverse Universe

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



60, 60.385, 274.566



61, 60.965, 274.607



33, 127.724, 305.244



50, 4.103, 246.110



46, 47.880, 273.615



13, 19.560, 266.087

Previews

White Background



This preview shows how the CIELCh color 62, 88.828, 52.965 looks on a white background.

Color Contrast Check

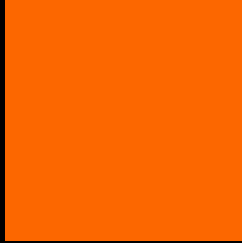
Large Text (above 18pt) WCAG AA × Fail

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 62, 88.828, 52.965 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 62, 88.828, 52.965

Background



This preview shows how black text looks on a background with the CIELCh color 62, 88.828, 52.965.



This preview shows how white text looks on a background with the CIELCh color 62, 88.828, 52.965.

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

62, 88.828, 52.965

Protanopia

62, 61.734, 95.537

Deuteranopia

62, 67.241, 83.611



Tritanopia
62, 67.100, 25.676

Trichromacy



Original Color
62, 88.828, 52.965

Protanomaly
61, 66.038, 75.414

Deuteranomaly
61, 72.324, 69.132

Tritanomaly
62, 75.116, 40.717

Monochromacy



Original Color
62, 88.828, 52.965

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 33.051, 59.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 88.828, 52.965 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(252, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 103, 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(252, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 103, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 88.828, 52.965 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(252, 103, 0) }
```

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

```
.border{ border-color:rgb(252, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 103,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 88.828, 52.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 103, 0) }
```

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

```
.background{ background-color: rgb(252,  
103, 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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