

Converting Colors

CIELCh(64, 88.488, 54.589)

Have a look what the booklet for
CIELCh(64, 88.488, 54.589) contains.

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Color

CIELCh(64, 88.232, 54.719)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F02
RGB	255, 111, 2
RGB Percent	100%, 44%, 1%
CMY	0.0000, 0.5632, 0.9932
CMYK	0.00, 0.56, 0.99, 0.00
HSL	26°, 100%, 50%
HSV	26°, 99%, 100%
XYZ	47.1433, 32.8017, 3.8960
YIQ	141.6300, 120.8130, -3.3710

Conversions

Conversions Part 2

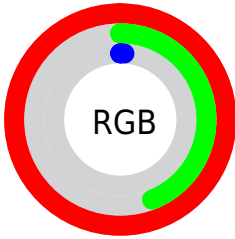
Format	Color
R _Y B	255, 194, 2
Decimal	16740098
CIE Lab	64.00, 50.96, 72.03
CIE LCh	64, 88.232, 54.719
Yxy	32.8017, 0.5623, 0.3912
Android (android.graphics.Color)	4294930178 (0xFFFF6F02)
YUV	141.6300, -68.8376, 99.4255
Hunter-Lab	57.2727, 46.7027, 36.0577

Details

The CIELCh color **64, 88.232, 54.719** 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, 63.725, 277.383**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 65.526, 67.527**, and **44, 75.837, 47.362** is the 20% darker color. If you saturate the color by 10%, you get **64, 88.470, 54.616**, and if you desaturate by 10%, it is **67, 81.752, 57.292**.

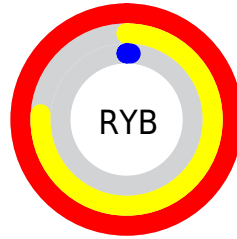
Distribution



Red (100%)

Green (44%)

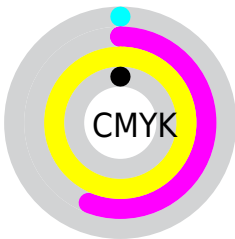
Blue (1%)



Red (100%)

Yellow (76%)

Blue (1%)

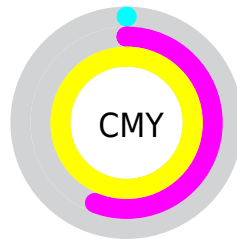


Cyan (0%)

Magenta (56%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (56%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 88.232, 54.719 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 64, 88.232, 54.719 by changing the saturation by 10% instead.

 64, 88.232, 54.719

 64, 88.232, 54.719

 100, 88.232,
54.719

 54, 88.232, 54.719

 84, 88.232, 54.719

 44, 88.232, 54.719

 94, 88.232, 54.719

 34, 88.232, 54.719

 24, 88.232, 54.719

 14, 88.232, 54.719

 4, 88.232, 54.719

 0, 88.232, 54.719

 64, 88.232, 54.719

 64, 88.232, 54.719

 64, 88.470, 54.616

 67, 81.752, 57.292

70, 73.008, 59.012

73, 62.998, 60.274

77, 52.709, 61.365

80, 42.638, 62.415

84, 33.003, 63.474

88, 23.879, 64.554

92, 15.272, 65.647

96, 7.155, 66.724

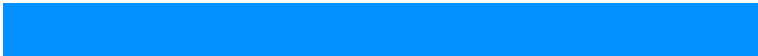
Harmonies

Complementary

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



64, 88.232, 54.719



60, 63.725, 277.383

Rectangle

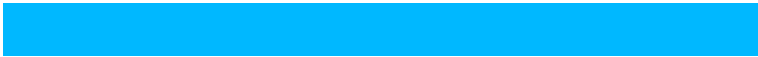
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 88.232, 54.719



64, 88.232, 104.719



64, 88.232, 234.719



64, 88.232, 284.719

Sweetspot

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



64, 88.070, 54.781



88, 24.481, 64.480



56, 86.479, 354.853



45, 16.916, 64.023



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 88.070, 54.781



64, 88.470, 54.616



92, 91.118, 97.152



51, 4.366, 66.705



49, 70.892, 55.316



15, 27.230, 55.273

Inverse Universe

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



60, 63.725, 277.383



59, 64.128, 277.705



34, 129.622, 305.427



51, 4.224, 249.048



45, 50.860, 276.788



13, 21.053, 269.759

Previews

White Background



This preview shows how the CIELCh color 64, 88.232, 54.719 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 64, 88.232, 54.719 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 64, 88.232, 54.719

Background



This preview shows how black text looks on a background with the CIELCh color 64, 88.232, 54.719.



This preview shows how white text looks on a background with the CIELCh color 64, 88.232, 54.719.

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

64, 88.106, 54.654

Protanopia

64, 63.792, 95.354

Deuteranopia

64, 68.750, 83.322



Tritanopia
64, 62.808, 24.437

Trichromacy



Original Color
64, 88.106, 54.654

Protanomaly
63, 67.514, 76.679

Deuteranomaly
63, 73.039, 70.596

Tritanomaly
64, 71.924, 41.413

Monochromacy



Original Color
64, 88.106, 54.654

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 33.192, 62.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 88.232, 54.719 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, 111, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 2)  
}
```

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, 111, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 88.232, 54.719 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, 111, 2) }
```

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

```
.border{ border-color:rgb(255, 111, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 88.232, 54.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 2) }
```

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

```
.background{ background-color: rgb(255,  
111, 2) }
```

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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