

Converting Colors

CIELCh(64, 88.085, 55.208)

Have a look what the booklet for
CIELCh(64, 88.085, 55.208) contains.

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Color

CIELCh(64, 88.176, 55.066)

Conversions

Conversions Part 1

Format	Color
Hex	FF7000
RGB	255, 112, 0
RGB Percent	100%, 44%, 0%
CMY	0.0005, 0.5611, 1.0000
CMYK	0.00, 0.56, 1.00, 0.00
HSL	26°, 100%, 50%
HSV	26°, 100%, 100%
XYZ	46.9759, 32.8017, 3.8498
YIQ	141.9890, 121.1800, -4.5160

Conversions

Conversions Part 2

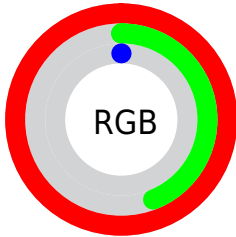
Format	Color
R _Y B	255, 200, 0
Decimal	16740352
CIE Lab	64.00, 50.49, 72.29
CIE LCh	64, 88.176, 55.066
Yxy	32.8017, 0.5617, 0.3922
Android (android.graphics.Color)	4294930432 (0xFFFF7000)
YUV	141.9890, -70.0006, 99.1106
Hunter-Lab	57.2727, 46.1808, 36.1055

Details

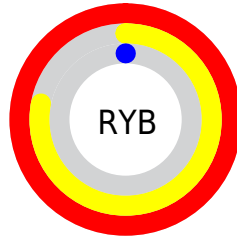
The CIELCh color **64, 88.176, 55.066** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **59, 64.925, 278.443**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 65.920, 68.200**, and **44, 75.624, 47.616** is the 20% darker color. If you saturate the color by 10%, you get **64, 88.149, 55.056**, and if you desaturate by 10%, it is **67, 82.028, 57.624**.

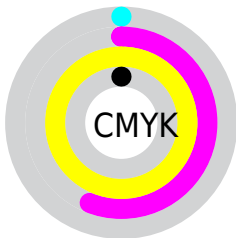
Distribution



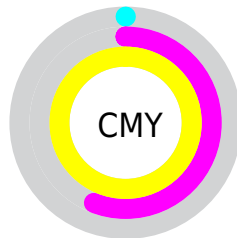
- Red (100%)
- Green (44%)
- Blue (0%)



- Red (100%)
- Yellow (78%)
- Blue (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 88.176, 55.066 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, 88.176, 55.066 by changing the saturation by 10% instead.

64, 88.176, 55.066

64, 88.176, 55.066

100, 88.176,
55.066

54, 88.176, 55.066

84, 88.176, 55.066

44, 88.176, 55.066

94, 88.176, 55.066

34, 88.176, 55.066

24, 88.176, 55.066

14, 88.176, 55.066

4, 88.176, 55.066

0, 88.176, 55.066

64, 88.176, 55.066

64, 88.176, 55.066

64, 88.149, 55.056

67, 82.028, 57.624

70, 73.505, 59.431

73, 63.612, 60.751

76, 53.370, 61.882

80, 43.309, 62.963

84, 33.660, 64.047

88, 24.509, 65.147

92, 15.866, 66.259

96, 7.707, 67.356

Harmonies

Complementary

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



64, 88.176, 55.066



59, 64.925, 278.443

Rectangle

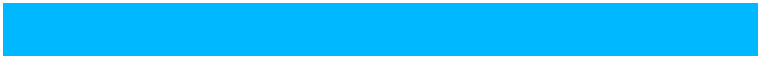
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 88.176, 55.066



64, 88.176, 105.066



64, 88.176, 235.066



64, 88.176, 285.066

Sweetspot

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



64, 88.149, 55.056



88, 24.519, 65.147



55, 85.945, 356.601



45, 16.938, 64.681



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, 88.149, 55.056



64, 88.183, 55.055



93, 92.236, 98.332



51, 4.377, 67.408



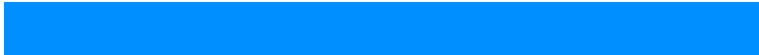
49, 70.670, 55.757



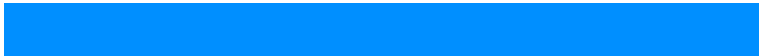
15, 27.196, 55.854

Inverse Universe

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



59, 64.925, 278.443



59, 64.951, 278.445



33, 130.976, 305.707



51, 4.239, 249.775



45, 51.501, 277.534



13, 21.279, 270.541

Previews

White Background



This preview shows how the CIELCh color 64, 88.176, 55.066 looks on a white background.

Color Contrast Check

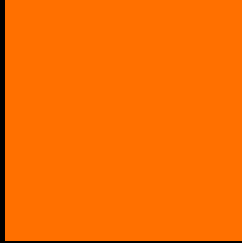
Large Text (above 18pt) WCAG AA × Fail

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, 88.176, 55.066 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, 88.176, 55.066

Background



This preview shows how black text looks on a background with the CIELCh color 64, 88.176, 55.066.



This preview shows how white text looks on a background with the CIELCh color 64, 88.176, 55.066.

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, 88.176, 55.066

Protanopia

64, 63.792, 95.354

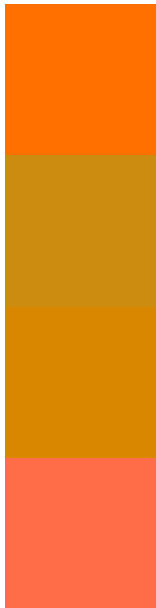
Deuteranopia

64, 68.862, 83.789



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 88.176, 55.066

Protanomaly
63, 67.691, 76.727

Deuteranomaly
63, 73.143, 71.077

Tritanomaly
64, 71.924, 41.413

Monochromacy



Original Color
64, 88.176, 55.066

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 33.620, 63.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 88.176, 55.066 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, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 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(255, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 88.176, 55.066 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, 112, 0) }
```

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

```
.border{ border-color:rgb(255, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 88.176, 55.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 0) }
```

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

```
.background{ background-color: rgb(255,  
112, 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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