

Converting Colors

CIELCh(64, 86.961, 55.885)

Have a look what the booklet for
CIELCh(64, 86.961, 55.885) contains.

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Color

CIELCh(64, 87.121, 55.919)

Conversions

Conversions Part 1

Format	Color
Hex	FD7200
RGB	253, 114, 0
RGB Percent	99%, 45%, 0%
CMY	0.0091, 0.5539, 1.0000
CMYK	0.00, 0.55, 1.00, 0.01
HSL	27°, 100%, 50%
HSV	27°, 100%, 99%
XYZ	46.3820, 32.8017, 3.8728
YIQ	142.5650, 119.4380, -5.9860

Conversions

Conversions Part 2

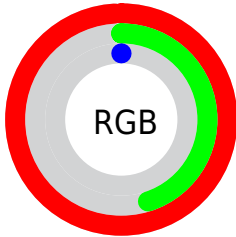
Format	Color
R _Y B	253, 207, 0
Decimal	16609792
CIE Lab	64.00, 48.82, 72.16
CIE LCh	64, 87.121, 55.919
Yxy	32.8017, 0.5584, 0.3949
Android (android.graphics.Color)	4294799872 (0xFFFD7200)
YUV	142.5650, -70.2845, 96.8515
Hunter-Lab	57.2727, 44.3299, 36.0818

Details

The CIELCh color **64, 87.121, 55.919** 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 **58, 65.990, 279.728**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 65.973, 69.192**, and **44, 74.231, 48.613** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.057, 55.891**, and if you desaturate by 10%, it is **67, 81.114, 58.513**.

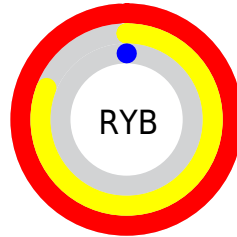
Distribution



Red (99%)

Green (45%)

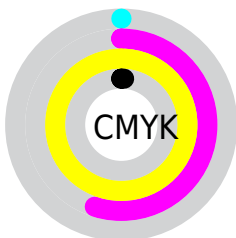
Blue (0%)



Red (99%)

Yellow (81%)

Blue (0%)

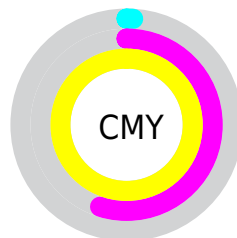


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 87.121, 55.919 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, 87.121, 55.919 by changing the saturation by 10% instead.

64, 87.121, 55.919

64, 87.121, 55.919

100, 87.121,
55.919

54, 87.121, 55.919

84, 87.121, 55.919

44, 87.121, 55.919

94, 87.121, 55.919

34, 87.121, 55.919

24, 87.121, 55.919

14, 87.121, 55.919

4, 87.121, 55.919

0, 87.121, 55.919

64, 87.121, 55.919

64, 87.121, 55.919

64, 87.057, 55.891

67, 81.114, 58.513

70, 72.793, 60.384

73, 63.082, 61.770

76, 52.993, 62.960

80, 43.052, 64.092

83, 33.497, 65.219

87, 24.415, 66.358

91, 15.820, 67.501

95, 7.692, 68.626

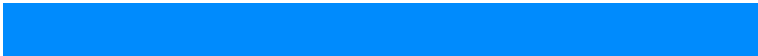
Harmonies

Complementary

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



64, 87.121, 55.919



58, 65.990, 279.728

Rectangle

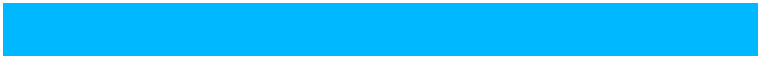
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 87.121, 55.919



64, 87.121, 105.919



64, 87.121, 235.919



64, 87.121, 285.919

Sweetspot

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



64, 87.057, 55.891



88, 24.596, 66.356



55, 84.944, 358.133



45, 16.985, 65.875



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, 87.057, 55.891



65, 87.671, 55.871



93, 92.731, 99.520



51, 4.399, 68.680



49, 70.276, 56.578



15, 27.140, 56.923

Inverse Universe

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



58, 65.990, 279.728



58, 66.476, 279.753



33, 130.917, 305.875



51, 4.269, 251.086



44, 52.690, 278.854



13, 21.701, 271.932

Previews

White Background



This preview shows how the CIELCh color 64, 87.121, 55.919 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, 87.121, 55.919 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, 87.121, 55.919

Background



This preview shows how black text looks on a background with the CIELCh color 64, 87.121, 55.919.



This preview shows how white text looks on a background with the CIELCh color 64, 87.121, 55.919.

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



Trichromacy



Original Color
64, 87.121, 55.919

Protanomaly
63, 67.511, 77.549

Tritanomaly
64, 71.306, 41.828

Monochromacy



Original Color
64, 87.121, 55.919

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 33.326, 64.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 87.121, 55.919 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(253, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 114, 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(253, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 114, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 87.121, 55.919 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(253, 114, 0) }
```

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

```
.border{ border-color:rgb(253, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 114,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 87.121, 55.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 114, 0) }
```

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

```
.background{ background-color: rgb(253,  
114, 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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