

Converting Colors

CIELCh(64, 87.741, 55.757)

Have a look what the booklet for
CIELCh(64, 87.741, 55.757) contains.

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Color

CIELCh(64, 87.299, 55.626)

Conversions

Conversions Part 1

Format	Color
Hex	FD7100
RGB	253, 113, 0
RGB Percent	99%, 44%, 0%
CMY	0.0067, 0.5559, 0.9982
CMYK	0.00, 0.55, 1.00, 0.01
HSL	27°, 100%, 50%
HSV	27°, 100%, 99%
XYZ	46.5479, 32.8017, 3.8911
YIQ	141.9780, 119.7130, -5.4630

Conversions

Conversions Part 2

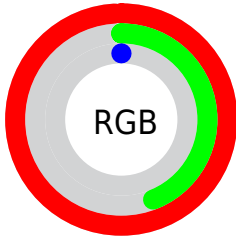
Format	Color
R_{YB}	253, 204, 0
Decimal	16609536
CIE _{Lab}	64.00, 49.29, 72.05
CIE _{LCh}	64, 87.299, 55.626
Yxy	32.8017, 0.5592, 0.3941
Android (android.graphics.Color)	4294799616 (0xFFFD7100)
YUV	141.9780, -69.9952, 97.3663
Hunter-Lab	57.2727, 44.8471, 36.0628

Details

The CIELCh color **64, 87.299, 55.626** 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, 65.440, 279.173**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 65.944, 68.696**, and **44, 74.663, 48.066** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.401, 55.583**, and if you desaturate by 10%, it is **67, 81.262, 58.226**.

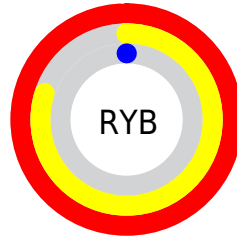
Distribution



Red (99%)

Green (44%)

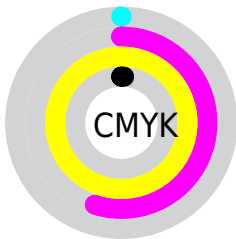
Blue (0%)



Red (99%)

Yellow (80%)

Blue (0%)

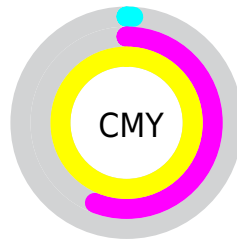


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 87.299, 55.626 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, 87.299, 55.626 by changing the saturation by 10% instead.

64, 87.299, 55.626

64, 87.299, 55.626

100, 87.299,
55.626

54, 87.299, 55.626

84, 87.299, 55.626

44, 87.299, 55.626

94, 87.299, 55.626

34, 87.299, 55.626

24, 87.299, 55.626

14, 87.299, 55.626

4, 87.299, 55.626

0, 87.299, 55.626

64, 87.299, 55.626

64, 87.299, 55.626

64, 87.401, 55.583

67, 81.262, 58.226

70, 72.834, 60.061

73, 63.048, 61.417

76, 52.909, 62.584

80, 42.936, 63.697

84, 33.362, 64.809

87, 24.270, 65.934

91, 15.673, 67.066

95, 7.547, 68.180

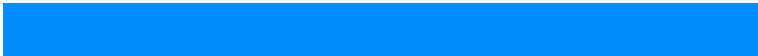
Harmonies

Complementary

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



64, 87.299, 55.626



58, 65.440, 279.173

Rectangle

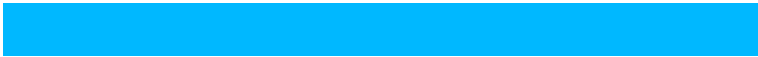
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



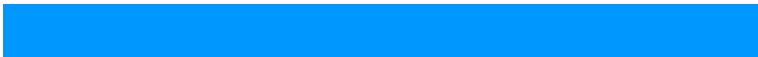
64, 87.299, 55.626



64, 87.299, 105.626



64, 87.299, 235.626



64, 87.299, 285.626

Sweetspot

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



64, 87.296, 55.628



88, 24.566, 65.912



55, 85.536, 356.524



45, 16.967, 65.436



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, 87.296, 55.628



64, 87.858, 55.568



92, 91.775, 98.343



51, 4.391, 68.213



49, 70.420, 56.273



15, 27.160, 56.529

Inverse Universe

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



58, 65.440, 279.173



58, 65.911, 279.277



33, 130.242, 305.687



51, 4.258, 250.606



44, 52.250, 278.374



13, 21.545, 271.426

Previews

White Background



This preview shows how the CIELCh color 64, 87.299, 55.626 looks on a white background.

Color Contrast Check

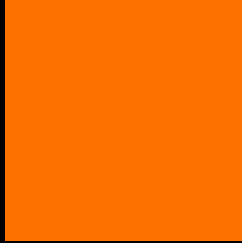
Large Text (above 18pt) WCAG AA × Fail

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, 87.299, 55.626 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, 87.299, 55.626

Background



This preview shows how black text looks on a background with the CIELCh color 64, 87.299, 55.626.



This preview shows how white text looks on a background with the CIELCh color 64, 87.299, 55.626.

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, 87.299, 55.626

Protanopia

64, 63.792, 95.354

Deuteranopia

64, 68.862, 83.789



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 87.299, 55.626

Protanomaly
63, 67.455, 77.064

Deuteranomaly
63, 73.143, 71.077

Tritanomaly
64, 71.306, 41.828

Monochromacy



Original Color
64, 87.299, 55.626

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 32.890, 64.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 87.299, 55.626 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, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 113, 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, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 113, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 87.299, 55.626 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, 113, 0) }
```

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

```
.border{ border-color:rgb(253, 113, 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, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 113,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 87.299, 55.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 113, 0) }
```

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

```
.background{ background-color: rgb(253,  
113, 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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