

Converting Colors

CIELCh(64, 83.019, 59.720)

Have a look what the booklet for
CIELCh(64, 83.019, 59.720) contains.

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Color

CIELCh(64, 82.893, 59.544)

Conversions

Conversions Part 1

Format	Color
Hex	F47900
RGB	244, 121, 0
RGB Percent	96%, 47%, 0%
CMY	0.0442, 0.5264, 1.0000
CMYK	0.00, 0.50, 1.00, 0.04
HSL	30°, 100%, 48%
HSV	30°, 100%, 96%
XYZ	44.0186, 32.8017, 3.9982
YIQ	143.9830, 112.1490, -11.5550

Conversions

Conversions Part 2

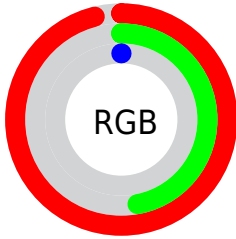
Format	Color
RYB	244, 240, 0
Decimal	16021760
CIELab	64.00, 42.02, 71.46
CIELCh	64, 82.893, 59.544
Yxy	32.8017, 0.5447, 0.4059
Android (android.graphics.Color)	4294211840 (0xFFFF47900)
YUV	143.9830, -70.9836, 87.7149
Hunter-Lab	57.2727, 36.9640, 35.9519

Details

The CIELCh color **64, 82.893, 59.544** 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 **53, 70.374, 284.478**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 65.880, 72.010**, and **44, 69.496, 52.132** is the 20% darker color. If you saturate the color by 10%, you get **64, 82.832, 59.519**, and if you desaturate by 10%, it is **67, 77.622, 62.294**.

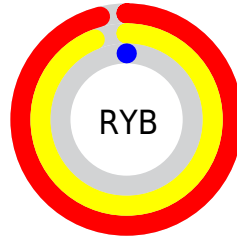
Distribution



Red (96%)

Green (47%)

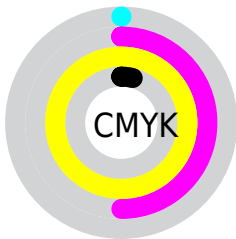
Blue (0%)



Red (96%)

Yellow (94%)

Blue (0%)

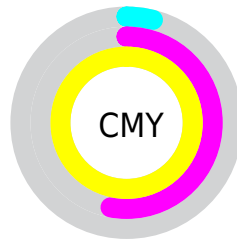


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 82.893, 59.544 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, 82.893, 59.544 by changing the saturation by 10% instead.

 64, 82.893, 59.544

 64, 82.893, 59.544

 100, 82.893,
59.544

 54, 82.893, 59.544

 84, 82.893, 59.544

 44, 82.893, 59.544

 94, 82.893, 59.544

 34, 82.893, 59.544

 24, 82.893, 59.544

 14, 82.893, 59.544

 4, 82.893, 59.544

 0, 82.893, 59.544

 64, 82.893, 59.544

 64, 82.893, 59.544

 64, 82.832, 59.519

 67, 77.622, 62.294

69, 70.113, 64.371

72, 61.131, 65.971

75, 51.635, 67.358

79, 42.158, 68.662

82, 32.953, 69.936

85, 24.122, 71.198

89, 15.694, 72.447

92, 7.660, 73.662

Harmonies

Complementary

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



64, 82.893, 59.544



53, 70.374, 284.478

Rectangle

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



64, 82.893, 59.544



64, 82.893, 109.544



64, 82.893, 239.544



64, 82.893, 289.544

Sweetspot

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



64, 82.832, 59.519



89, 25.028, 71.189



53, 82.010, 1.215



46, 17.252, 70.657



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, 82.832, 59.519



67, 85.765, 59.420



92, 92.472, 101.781



49, 4.363, 73.722



50, 67.421, 60.208



14, 24.634, 60.991

Inverse Universe

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



53, 70.374, 284.478



55, 73.004, 284.596



31, 128.639, 306.145



49, 4.264, 256.237



40, 56.536, 283.657



11, 21.995, 276.327

Previews

White Background



This preview shows how the CIELCh color 64, 82.893, 59.544 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, 82.893, 59.544 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, 82.893, 59.544

Background



This preview shows how black text looks on a background with the CIELCh color 64, 82.893, 59.544.



This preview shows how white text looks on a background with the CIELCh color 64, 82.893, 59.544.

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, 82.893, 59.544

Protanopia

64, 64.469, 95.361

Deuteranopia

64, 69.037, 83.431



Tritanopia
64, 56.498, 22.049

Trichromacy



Original Color
64, 82.893, 59.544

Protanomaly
63, 67.319, 79.636

Deuteranomaly
64, 72.280, 73.261

Tritanomaly
64, 65.574, 43.409

Monochromacy



Original Color
64, 82.893, 59.544

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 32.118, 69.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 82.893, 59.544 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(244, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(244, 121, 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(244, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 121, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 82.893, 59.544 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(244, 121, 0) }
```

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

```
.border{ border-color:rgb(244, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(244, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(244, 121,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 82.893, 59.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 121, 0) }
```

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

```
.background{ background-color: rgb(244,  
121, 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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