

Converting Colors

CIELCh(64, 84.387, 54.074)

Have a look what the booklet for
CIELCh(64, 84.387, 54.074) contains.

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Color

CIELCh(64, 84.352, 54.083)

Conversions

Conversions Part 1

Format	Color
Hex	FD7115
RGB	253, 113, 21
RGB Percent	99%, 44%, 8%
CMY	0.0073, 0.5564, 0.9170
CMYK	0.00, 0.55, 0.92, 0.01
HSL	24°, 98%, 54%
HSV	24°, 92%, 99%
XYZ	46.6166, 32.8017, 4.5922
YIQ	144.3720, 112.9720, 1.0680

Conversions

Conversions Part 2

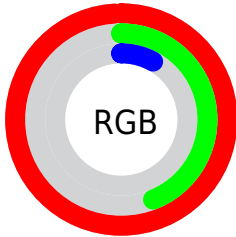
Format	Color
RYB	253, 173, 21
Decimal	16609557
CIELab	64.00, 49.48, 68.31
CIElCh	64, 84.352, 54.083
Yxy	32.8017, 0.5549, 0.3904
Android (android.graphics.Color)	4294799637 (0xFFFD7115)
YUV	144.3720, -60.8224, 95.2668
Hunter-Lab	57.2727, 45.0609, 35.3370

Details

The CIELCh color **64, 84.352, 54.083** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **64, 55.002, 268.653**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 62.501, 67.028**, and **44, 74.663, 48.066** is the 20% darker color. If you saturate the color by 10%, you get **62, 89.755, 52.144**, and if you desaturate by 10%, it is **67, 75.653, 55.698**.

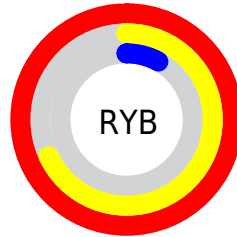
Distribution



Red (99%)

Green (44%)

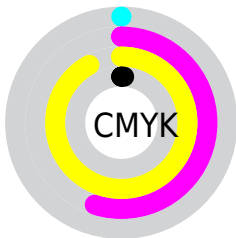
Blue (8%)



Red (99%)

Yellow (68%)

Blue (8%)

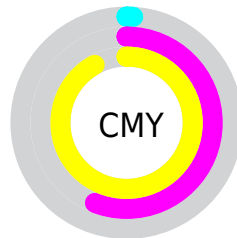


Cyan (0%)

Magenta (55%)

Yellow (92%)

Black (1%)



Cyan (1%)

Magenta (56%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 84.352, 54.083 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, 84.352, 54.083 by changing the saturation by 10% instead.

 64, 84.352, 54.083

 64, 84.352, 54.083

 100, 84.352,
54.083

 54, 84.352, 54.083

 84, 84.352, 54.083

 44, 84.352, 54.083

 94, 84.352, 54.083

 34, 84.352, 54.083

 24, 84.352, 54.083

 14, 84.352, 54.083

 4, 84.352, 54.083

 0, 84.352, 54.083

 64, 84.352, 54.083

 64, 84.352, 54.083

 62, 89.755, 52.144

 67, 75.653, 55.698

70, 65.484, 56.768

74, 54.972, 57.646

78, 44.689, 58.494

82, 34.882, 59.372

86, 25.638, 60.294

90, 16.964, 61.252

94, 8.833, 62.221

99, 1.198, 62.851

Harmonies

Complementary

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



64, 84.352, 54.083



64, 55.002, 268.653

Rectangle

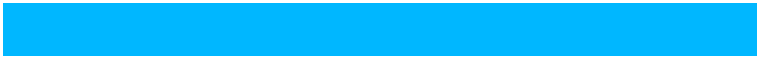
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 84.352, 54.083



64, 84.352, 104.083



64, 84.352, 234.083



64, 84.352, 284.083

Sweetspot

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



64, 84.349, 54.085



88, 21.676, 60.733



56, 86.996, 349.730



46, 14.772, 60.408



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, 84.349, 54.085



62, 90.265, 52.130



90, 87.348, 95.309



51, 4.312, 62.422



47, 72.286, 52.806



14, 27.492, 51.874

Inverse Universe

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



64, 55.002, 268.653



62, 59.429, 272.931



37, 119.177, 303.468



51, 4.149, 244.595



47, 47.204, 271.979



14, 19.781, 264.776

Previews

White Background



This preview shows how the CIELCh color 64, 84.352, 54.083 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, 84.352, 54.083 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, 84.352, 54.083

Background



This preview shows how black text looks on a background with the CIELCh color 64, 84.352, 54.083.



This preview shows how white text looks on a background with the CIELCh color 64, 84.352, 54.083.

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, 84.352, 54.083

Protanopia

64, 61.382, 95.318

Deuteranopia

64, 68.862, 83.789



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 84.352, 54.083

Protanomaly
63, 64.315, 76.168

Deuteranomaly
63, 72.049, 70.710

Tritanomaly
64, 68.949, 39.090

Monochromacy



Original Color
64, 84.352, 54.083

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 29.825, 58.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 84.352, 54.083 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(253, 113, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 113, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 84.352, 54.083 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, 21) }
```

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

```
.border{ border-color:rgb(253, 113, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 113, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 113, 21);  
box-shadow:4px 4px 4px 4px rgb(253, 113,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 84.352, 54.083 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, 21) }
```

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

```
.background{ background-color: rgb(253,  
113, 21) }
```

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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