

Converting Colors

CIELCh(64, 83.363, 52.613)

Have a look what the booklet for
CIELCh(64, 83.363, 52.613) contains.

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Color

CIELCh(64, 83.207, 52.687)

Conversions

Conversions Part 1

Format	Color
Hex	FE701D
RGB	254, 112, 29
RGB Percent	100%, 44%, 11%
CMY	0.0034, 0.5603, 0.8857
CMYK	0.00, 0.56, 0.89, 0.00
HSL	22°, 99%, 56%
HSV	22°, 89%, 100%
XYZ	46.9563, 32.8017, 5.0281
YIQ	144.9960, 111.2750, 4.2910

Conversions

Conversions Part 2

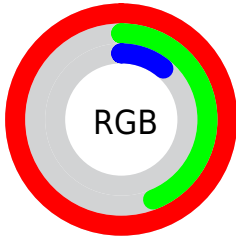
Format	Color
RYB	254, 161, 29
Decimal	16674845
CIELab	64.00, 50.44, 66.18
CIELCh	64, 83.207, 52.687
Yxy	32.8017, 0.5538, 0.3869
Android (android.graphics.Color)	4294864925 (0xFFFE701D)
YUV	144.9960, -57.1860, 95.5965
Hunter-Lab	57.2727, 46.1197, 34.8858

Details

The CIELCh color **64, 83.207, 52.687** 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 **67, 51.194, 263.018**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 60.527, 65.416**, and **44, 75.251, 47.707** is the 20% darker color. If you saturate the color by 10%, you get **61, 90.470, 50.708**, and if you desaturate by 10%, it is **67, 73.536, 53.843**.

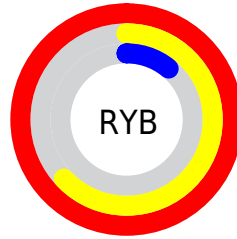
Distribution



Red (100%)

Green (44%)

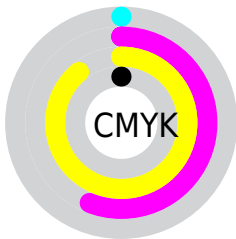
Blue (11%)



Red (100%)

Yellow (63%)

Blue (11%)

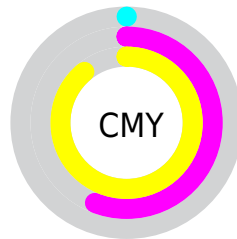


Cyan (0%)

Magenta (56%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (56%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 83.207, 52.687 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, 83.207, 52.687 by changing the saturation by 10% instead.

64, 83.207, 52.687

64, 83.207, 52.687

100, 83.207,
52.687

54, 83.207, 52.687

84, 83.207, 52.687

44, 83.207, 52.687

94, 83.207, 52.687

34, 83.207, 52.687

24, 83.207, 52.687

14, 83.207, 52.687

4, 83.207, 52.687

0, 83.207, 52.687

64, 83.207, 52.687

64, 83.207, 52.687

61, 90.470, 50.708

67, 73.536, 53.843

61, 91.439, 50.425

71, 62.871, 54.605

74, 52.156, 55.267

78, 41.829, 55.951

83, 32.067, 56.695

87, 22.920, 57.501

91, 14.377, 58.354

96, 6.396, 59.212

100, 0.298,
201.614

Harmonies

Complementary

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



64, 83.207, 52.687



67, 51.194, 263.018

Rectangle

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



64, 83.207, 52.687



64, 83.207, 102.687



64, 83.207, 232.687



64, 83.207, 282.687

Sweetspot

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



64, 83.204, 52.689



88, 21.632, 57.629



57, 87.560, 347.716



45, 14.753, 57.344



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, 83.204, 52.689



61, 91.679, 50.418



89, 85.757, 94.397



51, 4.288, 59.131



46, 73.394, 51.070



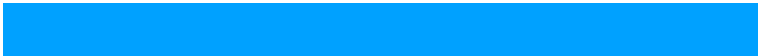
14, 27.748, 49.424

Inverse Universe

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



67, 51.194, 263.018



64, 56.180, 268.914



39, 114.103, 302.289



51, 4.109, 241.146



49, 44.684, 267.944



15, 18.926, 260.677

Previews

White Background



This preview shows how the CIELCh color 64, 83.207, 52.687 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, 83.207, 52.687 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, 83.207, 52.687

Background



This preview shows how black text looks on a background with the CIELCh color 64, 83.207, 52.687.



This preview shows how white text looks on a background with the CIELCh color 64, 83.207, 52.687.

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, 83.207, 52.687

Protanopia

64, 59.142, 95.267

Deuteranopia

64, 68.929, 82.965



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 83.207, 52.687

Protanomaly
63, 62.511, 75.162

Deuteranomaly
63, 71.961, 69.847

Tritanomaly
64, 68.743, 37.590

Monochromacy



Original Color
64, 83.207, 52.687

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 29.012, 56.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 83.207, 52.687 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(254, 112, 29)` looks like.

```
.text, #text, p{  
    color:rgb(254, 112, 29)  
}
```

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(254, 112, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 112, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 83.207, 52.687 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(254, 112, 29) }
```

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

```
.border{ border-color:rgb(254, 112, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 112, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 112, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 112, 29);  
box-shadow:4px 4px 4px 4px rgb(254, 112,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 83.207, 52.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 112, 29) }
```

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

```
.background{ background-color: rgb(254,  
112, 29) }
```

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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