

Converting Colors

CIELCh(64, 85.596, 56.649)

Have a look what the booklet for
CIELCh(64, 85.596, 56.649) contains.

CIELCh(64, 85.481, 56.834)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 85.481, 56.834)

Conversions

Conversions Part 1

Format	Color
Hex	FA7402
RGB	250, 116, 2
RGB Percent	98%, 45%, 1%
CMY	0.0198, 0.5452, 0.9924
CMYK	0.00, 0.54, 0.99, 0.02
HSL	28°, 98%, 49%
HSV	28°, 99%, 98%
XYZ	45.6591, 32.8017, 3.9802
YIQ	143.0700, 116.4580, -7.0460

Conversions

Conversions Part 2

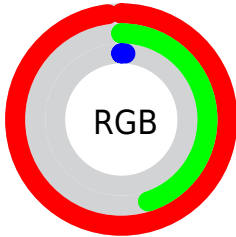
Format	Color
RYB	250, 213, 2
Decimal	16413698
CIELab	64.00, 46.76, 71.56
CIELCh	64, 85.481, 56.834
Yxy	32.8017, 0.5538, 0.3979
Android (android.graphics.Color)	4294603778 (0xFFFA7402)
YUV	143.0700, -69.5475, 93.7776
Hunter-Lab	57.2727, 42.0770, 35.9706

Details

The CIELCh color **64, 85.481, 56.834** 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 **57, 66.229, 280.433**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 65.631, 69.523**, and **44, 72.672, 49.519** is the 20% darker color. If you saturate the color by 10%, you get **64, 85.905, 56.637**, and if you desaturate by 10%, it is **67, 79.577, 59.473**.

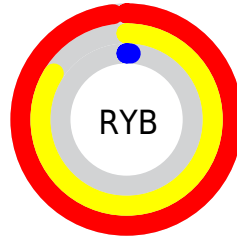
Distribution



Red (98%)

Green (45%)

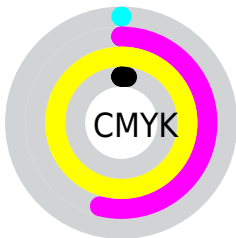
Blue (1%)



Red (98%)

Yellow (84%)

Blue (1%)

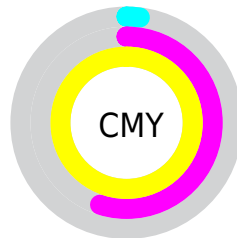


Cyan (0%)

Magenta (54%)

Yellow (99%)

Black (2%)



Cyan (2%)

Magenta (55%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 85.481, 56.834 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, 85.481, 56.834 by changing the saturation by 10% instead.

 64, 85.481, 56.834

 64, 85.481, 56.834

 100, 85.481,
56.834

 54, 85.481, 56.834

 84, 85.481, 56.834

 44, 85.481, 56.834

 94, 85.481, 56.834

 34, 85.481, 56.834

 24, 85.481, 56.834

 14, 85.481, 56.834

 4, 85.481, 56.834

 0, 85.481, 56.834

 64, 85.481, 56.834

 64, 85.481, 56.834

 64, 85.905, 56.637

 67, 79.577, 59.473

70, 71.294, 61.342

73, 61.706, 62.756

76, 51.768, 63.985

80, 41.978, 65.156

83, 32.560, 66.319

87, 23.597, 67.488

91, 15.101, 68.657

95, 7.053, 69.799

Harmonies

Complementary

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



64, 85.481, 56.834



57, 66.229, 280.433

Rectangle

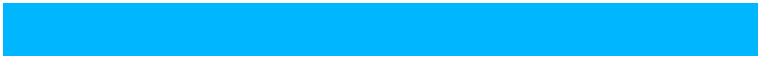
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 85.481, 56.834



64, 85.481, 106.834



64, 85.481, 236.834



64, 85.481, 286.834

Sweetspot

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



64, 85.478, 56.836



88, 24.673, 67.394



54, 84.207, 357.824



45, 17.031, 66.900



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, 85.478, 56.836



65, 87.242, 56.594



92, 91.850, 99.555



50, 4.348, 69.770



49, 69.234, 57.341



15, 25.910, 57.614

Inverse Universe

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



57, 66.229, 280.433



57, 67.819, 280.843



32, 129.446, 305.814



50, 4.225, 252.202



43, 53.158, 279.907



12, 21.364, 272.686

Previews

White Background



This preview shows how the CIELCh color 64, 85.481, 56.834 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, 85.481, 56.834 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, 85.481, 56.834

Background



This preview shows how black text looks on a background with the CIELCh color 64, 85.481, 56.834.



This preview shows how white text looks on a background with the CIELCh color 64, 85.481, 56.834.

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, 85.481, 56.834

Protanopia

64, 64.025, 95.357

Deuteranopia

64, 68.862, 83.789



Tritanopia
64, 60.917, 23.554

Trichromacy



Original Color
64, 85.481, 56.834

Protanomaly
63, 67.282, 77.890

Deuteranomaly
64, 72.703, 71.752

Tritanomaly
64, 69.467, 42.034

Monochromacy



Original Color
64, 85.481, 56.834

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 32.504, 64.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 85.481, 56.834 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(250, 116, 2)` looks like.

```
.text, #text, p{  
    color:rgb(250, 116, 2)  
}
```

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(250, 116, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 116, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 85.481, 56.834 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(250, 116, 2) }
```

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

```
.border{ border-color:rgb(250, 116, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 116, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 116, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 116, 2);  
box-shadow:4px 4px 4px 4px rgb(250, 116,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 85.481, 56.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 116, 2) }
```

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

```
.background{ background-color: rgb(250,  
116, 2) }
```

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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