

Converting Colors

CIELCh(64, 71.539, 46.516)

Have a look what the booklet for
CIELCh(64, 71.539, 46.516) contains.

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Color

CIELCh(64, 71.586, 46.366)

Conversions

Conversions Part 1

Format	Color
Hex	FB7240
RGB	251, 114, 64
RGB Percent	98%, 45%, 25%
CMY	0.0168, 0.5539, 0.7499
CMYK	0.00, 0.55, 0.75, 0.02
HSL	16°, 96%, 62%
HSV	16°, 75%, 98%
XYZ	46.5867, 32.8017, 8.6932
YIQ	149.2630, 97.7020, 13.4940

Conversions

Conversions Part 2

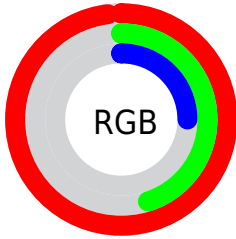
Format	Color
R _Y B	251, 132, 64
Decimal	16478784
CIE Lab	64.00, 49.40, 51.81
CIE LCh	64, 71.586, 46.366
Yxy	32.8017, 0.5289, 0.3724
Android (android.graphics.Color)	4294668864 (0xFFFB7240)
YUV	149.2630, -42.0347, 89.2233
Hunter-Lab	57.2727, 44.9680, 31.0916

Details

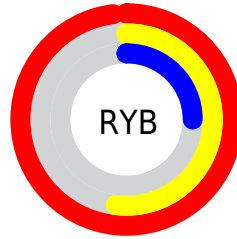
The CIELCh color **64, 71.586, 46.366** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **76, 40.531, 239.796**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 48.730, 57.559**, and **44, 71.452, 46.375** is the 20% darker color. If you saturate the color by 10%, you get **61, 82.599, 46.483**, and if you desaturate by 10%, it is **68, 60.164, 46.126**.

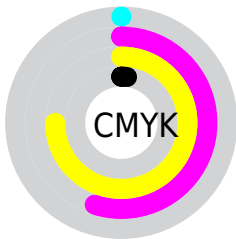
Distribution



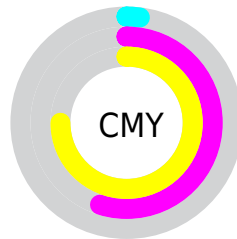
- Red (98%)
- Green (45%)
- Blue (25%)



- Red (98%)
- Yellow (52%)
- Blue (25%)



- Cyan (0%)
- Magenta (55%)
- Yellow (75%)
- Black (2%)



- Cyan (2%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 71.586, 46.366 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, 71.586, 46.366 by changing the saturation by 10% instead.

64, 71.586, 46.366

64, 71.586, 46.366

100, 71.586,
46.366

54, 71.586, 46.366

84, 71.586, 46.366

44, 71.586, 46.366

94, 71.586, 46.366

34, 71.586, 46.366

24, 71.586, 46.366

14, 71.586, 46.366

4, 71.586, 46.366

0, 71.586, 46.366

64, 71.586, 46.366

64, 71.586, 46.366

61, 82.599, 46.483

68, 60.164, 46.126

58, 91.741, 45.954

72, 49.040, 45.969

57, 95.597, 45.389

76, 38.509, 45.965

81, 28.679, 46.114

86, 19.567, 46.393

91, 11.143, 46.767

96, 3.354, 47.117

100, 1.491,
199.755

Harmonies

Complementary

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



64, 71.586, 46.366



76, 40.531, 239.796

Rectangle

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



64, 71.586, 46.366



64, 71.586, 96.366



64, 71.586, 226.366



64, 71.586, 276.366

Sweetspot

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



64, 71.584, 46.369



89, 17.588, 46.481



60, 86.351, 339.169



46, 11.948, 46.387



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, 71.584, 46.369



60, 88.213, 46.368



85, 72.416, 88.746



49, 4.252, 46.969



43, 76.729, 45.912



12, 27.764, 40.904

Inverse Universe

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



76, 40.531, 239.796



74, 44.793, 245.588



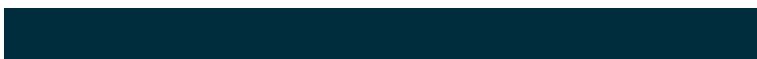
50, 82.952, 294.047



50, 4.026, 228.209



54, 37.274, 249.875



17, 16.241, 242.905

Previews

White Background



This preview shows how the CIELCh color 64, 71.586, 46.366 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, 71.586, 46.366 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, 71.586, 46.366

Background



This preview shows how black text looks on a background with the CIELCh color 64, 71.586, 46.366.



This preview shows how white text looks on a background with the CIELCh color 64, 71.586, 46.366.

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





Tritanopia
64, 60.917, 23.554

Trichromacy



Original Color
64, 71.586, 46.366

Protanomaly
63, 47.814, 70.612

Deuteranomaly
64, 57.728, 65.713

Tritanomaly
64, 63.634, 33.170

Monochromacy



Original Color
64, 71.586, 46.366

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 23.962, 45.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 71.586, 46.366 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(251, 114, 64)` looks like.

```
.text, #text, p{  
    color:rgb(251, 114, 64)  
}
```

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(251, 114, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 114, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 71.586, 46.366 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(251, 114, 64) }
```

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

```
.border{ border-color:rgb(251, 114, 64) }
```

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

Here you see how a box with a 4 pixel rgb(251, 114, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 114, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 114, 64);  
box-shadow:4px 4px 4px 4px rgb(251, 114,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 71.586, 46.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 114, 64) }
```

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

```
.background{ background-color: rgb(251,  
114, 64) }
```

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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