

Converting Colors

CIELCh(75, 96.922, 39.230)

Have a look what the booklet for
CIELCh(75, 96.922, 39.230) contains.

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Color

CIELCh(64, 70.388, 41.508)

Conversions

Conversions Part 1

Format	Color
Hex	FE6E4A
RGB	254, 110, 74
RGB Percent	100%, 43%, 29%
CMY	0.0034, 0.5676, 0.7085
CMYK	0.00, 0.57, 0.71, 0.00
HSL	12°, 99%, 64%
HSV	12°, 71%, 100%
XYZ	47.7712, 32.8017, 10.3524
YIQ	148.9520, 97.3800, 19.3320

Conversions

Conversions Part 2

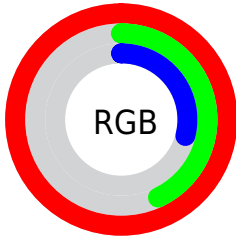
Format	Color
RYB	254, 119, 74
Decimal	16674378
CIELab	64.00, 52.71, 46.65
CIELCh	64, 70.388, 41.508
Yxy	32.8017, 0.5254, 0.3608
Android (android.graphics.Color)	4294864458 (0xFFFE6E4A)
YUV	148.9520, -36.9513, 92.1271
Hunter-Lab	57.2727, 48.6596, 29.3739

Details

The CIELCh color **64, 70.388, 41.508** 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 **81, 39.214, 226.799**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 45.445, 50.262**, and **44, 70.148, 41.492** is the 20% darker color. If you saturate the color by 10%, you get **60, 82.150, 42.507**, and if you desaturate by 10%, it is **68, 58.514, 40.599**.

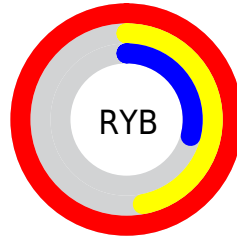
Distribution



Red (100%)

Green (43%)

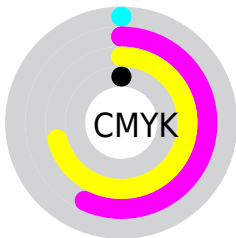
Blue (29%)



Red (100%)

Yellow (47%)

Blue (29%)

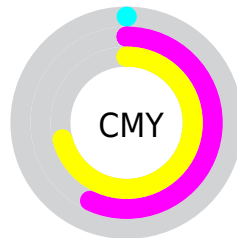


Cyan (0%)

Magenta (57%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (57%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 70.388, 41.508 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, 70.388, 41.508 by changing the saturation by 10% instead.

64, 70.388, 41.508

64, 70.388, 41.508

100, 70.388,
41.508

54, 70.388, 41.508

84, 70.388, 41.508

44, 70.388, 41.508

94, 70.388, 41.508

34, 70.388, 41.508

24, 70.388, 41.508

14, 70.388, 41.508

4, 70.388, 41.508

0, 70.388, 41.508

64, 70.388, 41.508

64, 70.388, 41.508

60, 82.150, 42.507

68, 58.514, 40.599

58, 92.600, 43.164

73, 47.072, 39.909

56, 99.621, 43.033

78, 36.291, 39.458

83, 26.258, 39.218

88, 16.985, 39.145

94, 8.438, 39.185

99, 0.560, 38.283

100, 0.303,
201.573

Harmonies

Complementary

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



64, 70.388, 41.508



81, 39.214, 226.799

Rectangle

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



64, 70.388, 41.508



64, 70.388, 91.508



64, 70.388, 221.508



64, 70.388, 271.508

Sweetspot

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



64, 70.385, 41.511



88, 17.259, 39.146



63, 89.499, 334.763



45, 11.819, 39.152



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, 70.385, 41.511



59, 87.105, 42.869



83, 67.089, 82.653



50, 4.453, 39.192



42, 79.999, 43.438



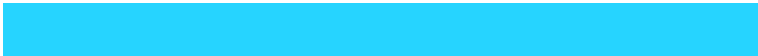
12, 29.983, 37.161

Inverse Universe

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



81, 39.214, 226.799



79, 42.368, 230.814



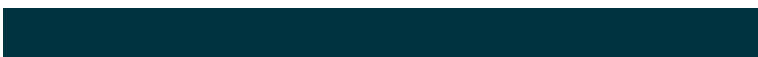
57, 70.054, 287.911



52, 4.195, 219.823



59, 35.394, 235.633



19, 16.151, 230.367

Previews

White Background



This preview shows how the CIELCh color 64, 70.388, 41.508 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, 70.388, 41.508 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, 70.388, 41.508

Background



This preview shows how black text looks on a background with the CIELCh color 64, 70.388, 41.508.



This preview shows how white text looks on a background with the CIELCh color 64, 70.388, 41.508.

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, 70.493, 41.534

Protanopia

64, 37.093, 95.885

Deuteranopia

64, 49.332, 80.421



Tritanopia
64, 62.653, 23.958

Trichromacy



Original Color
64, 70.493, 41.534

Protanomaly
63, 42.491, 65.200

Deuteranomaly
63, 53.449, 61.641

Tritanomaly
64, 64.713, 31.122

Monochromacy



Original Color
64, 70.493, 41.534

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 23.469, 39.295

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 70.388, 41.508 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, 110, 74)` looks like.

```
.text, #text, p{  
    color:rgb(254, 110, 74)  
}
```

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, 110, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 110, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 70.388, 41.508 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, 110, 74) }
```

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

```
.border{ border-color:rgb(254, 110, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 110, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 110, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 110, 74);  
box-shadow:4px 4px 4px 4px rgb(254, 110,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 70.388, 41.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 110, 74) }
```

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

```
.background{ background-color: rgb(254,  
110, 74) }
```

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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