

Converting Colors

CIELCh(64, 74.605, 48.510)

Have a look what the booklet for
CIELCh(64, 74.605, 48.510) contains.

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Color

CIELCh(64, 74.435, 48.765)

Conversions

Conversions Part 1

Format	Color
Hex	FB7237
RGB	251, 114, 55
RGB Percent	98%, 45%, 22%
CMY	0.0159, 0.5531, 0.7845
CMYK	0.00, 0.55, 0.78, 0.02
HSL	18°, 96%, 60%
HSV	18°, 78%, 98%
XYZ	46.4684, 32.8017, 7.4920
YIQ	148.2370, 100.5910, 10.6950

Conversions

Conversions Part 2

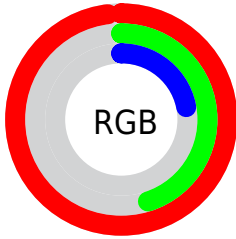
Format	Color
R _Y B	251, 139, 55
Decimal	16478775
CIE Lab	64.00, 49.06, 55.98
CIE LCh	64, 74.435, 48.765
Yxy	32.8017, 0.5356, 0.3781
Android (android.graphics.Color)	4294668855 (0xFFFB7237)
YUV	148.2370, -45.9658, 90.1232
Hunter-Lab	57.2727, 44.5992, 32.3351

Details

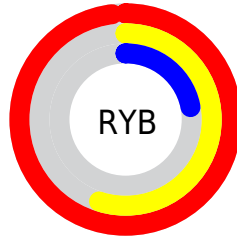
The CIELCh color **64, 74.435, 48.765** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **73, 42.724, 247.024**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 51.818, 60.472**, and **44, 74.073, 48.438** is the 20% darker color. If you saturate the color by 10%, you get **61, 84.758, 48.341**, and if you desaturate by 10%, it is **68, 63.277, 48.887**.

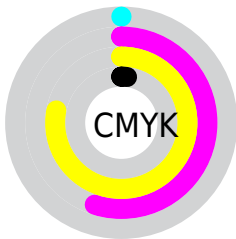
Distribution



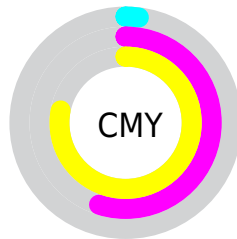
- Red (98%)
- Green (45%)
- Blue (22%)



- Red (98%)
- Yellow (55%)
- Blue (22%)



- Cyan (0%)
- Magenta (55%)
- Yellow (78%)
- Black (2%)



- Cyan (2%)
- Magenta (55%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 74.435, 48.765 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, 74.435, 48.765 by changing the saturation by 10% instead.

64, 74.435, 48.765

64, 74.435, 48.765

100, 74.435,
48.765

54, 74.435, 48.765

84, 74.435, 48.765

44, 74.435, 48.765

94, 74.435, 48.765

34, 74.435, 48.765

24, 74.435, 48.765

14, 74.435, 48.765

4, 74.435, 48.765

0, 74.435, 48.765

64, 74.435, 48.765

64, 74.435, 48.765

61, 84.758, 48.341

68, 63.277, 48.887

58, 92.676, 47.084

72, 52.212, 48.994

58, 94.014, 46.855

76, 41.640, 49.199

80, 31.719, 49.526

85, 22.489, 49.967

90, 13.931, 50.494

95, 5.999, 51.054

100, 1.212,
217.238

100, 1.406,
199.788

Harmonies

Complementary

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



64, 74.435, 48.765



73, 42.724, 247.024

Rectangle

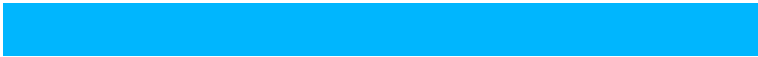
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 74.435, 48.765



64, 74.435, 98.765



64, 74.435, 228.765



64, 74.435, 278.765

Sweetspot

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



64, 74.433, 48.768



89, 18.282, 50.226



59, 86.557, 341.471



46, 12.834, 50.039



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, 74.433, 48.768



60, 90.956, 47.702



86, 76.384, 90.765



50, 4.219, 50.979



44, 75.394, 47.428



12, 27.312, 43.403

Inverse Universe

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



73, 42.724, 247.024



70, 47.901, 254.351



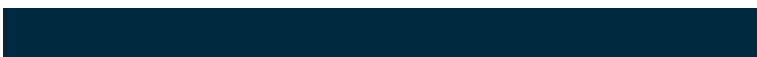
47, 91.474, 296.776



50, 4.008, 232.502



52, 39.142, 256.396



16, 16.773, 249.014

Previews

White Background



This preview shows how the CIELCh color 64, 74.435, 48.765 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, 74.435, 48.765 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, 74.435, 48.765

Background



This preview shows how black text looks on a background with the CIELCh color 64, 74.435, 48.765.



This preview shows how white text looks on a background with the CIELCh color 64, 74.435, 48.765.

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, 74.435, 48.765

Protanopia

64, 47.995, 95.752

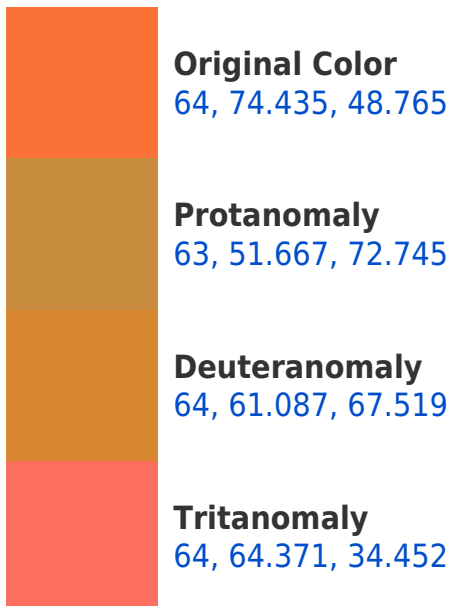
Deuteranopia

64, 58.307, 82.104



Tritanopia
64, 61.239, 23.191

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 74.435, 48.765 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(251, 114, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 114, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 74.435, 48.765 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, 55) }
```

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

```
.border{ border-color:rgb(251, 114, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 114, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 114, 55);  
box-shadow:4px 4px 4px 4px rgb(251, 114,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 74.435, 48.765 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, 55) }
```

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

```
.background{ background-color: rgb(251,  
114, 55) }
```

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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