

Converting Colors

CIELCh(64, 72.636, 52.356)

Have a look what the booklet for
CIELCh(64, 72.636, 52.356) contains.

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Color

CIELCh(64, 72.548, 52.379)

Conversions

Conversions Part 1

Format	Color
Hex	F57733
RGB	245, 119, 51
RGB Percent	96%, 47%, 20%
CMY	0.0397, 0.5337, 0.8004
CMYK	0.00, 0.51, 0.79, 0.04
HSL	21°, 91%, 58%
HSV	21°, 79%, 96%
XYZ	44.7978, 32.8017, 7.0916
YIQ	148.9220, 96.9240, 5.5640

Conversions

Conversions Part 2

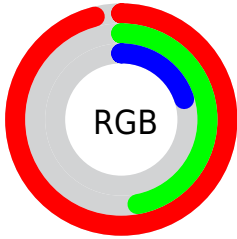
Format	Color
R _Y B	245, 156, 51
Decimal	16086835
CIE Lab	64.00, 44.29, 57.46
CIE LCh	64, 72.548, 52.379
Yxy	32.8017, 0.5290, 0.3873
Android (android.graphics.Color)	4294276915 (0xFFFF57733)
YUV	148.9220, -48.2755, 84.2604
Hunter-Lab	57.2727, 39.3926, 32.7496

Details

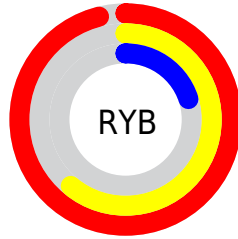
The CIELCh color **64, 72.548, 52.379** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **69, 44.732, 255.699**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 53.412, 64.297**, and **44, 70.677, 51.161** is the 20% darker color. If you saturate the color by 10%, you get **61, 82.040, 51.372**, and if you desaturate by 10%, it is **67, 62.053, 52.993**.

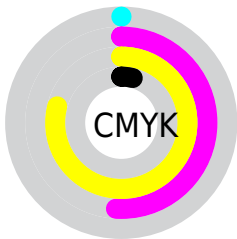
Distribution



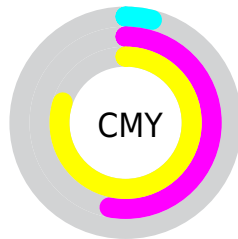
- Red (96%)
- Green (47%)
- Blue (20%)



- Red (96%)
- Yellow (61%)
- Blue (20%)



- Cyan (0%)
- Magenta (51%)
- Yellow (79%)
- Black (4%)



- Cyan (4%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 72.548, 52.379 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, 72.548, 52.379 by changing the saturation by 10% instead.

64, 72.548, 52.379

64, 72.548, 52.379

100, 72.548,
52.379

54, 72.548, 52.379

84, 72.548, 52.379

44, 72.548, 52.379

94, 72.548, 52.379

34, 72.548, 52.379

24, 72.548, 52.379

14, 72.548, 52.379

4, 72.548, 52.379

0, 72.548, 52.379

64, 72.548, 52.379

64, 72.548, 52.379

61, 82.040, 51.372

67, 62.053, 52.993

58, 89.226, 49.572

71, 51.514, 53.515

58, 89.760, 49.445

75, 41.368, 54.072

79, 31.791, 54.704

83, 22.833, 55.412

88, 14.483, 56.178

92, 6.703, 56.964

97, 0.562, 238.897

99, 3.496, 199.373

Harmonies

Complementary

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



64, 72.548, 52.379



69, 44.732, 255.699

Rectangle

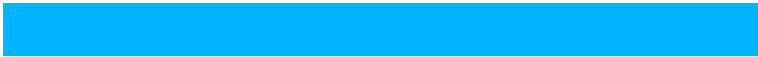
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 72.548, 52.379



64, 72.548, 102.379



64, 72.548, 232.379



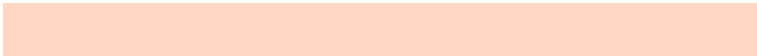
64, 72.548, 282.379

Sweetspot

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



64, 72.546, 52.382



89, 19.026, 55.801



57, 82.917, 344.665



46, 13.241, 55.530



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, 72.546, 52.382



62, 89.302, 50.353



86, 77.988, 94.232



49, 4.138, 56.943



45, 72.614, 50.068



12, 25.489, 46.968

Inverse Universe

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



69, 44.732, 255.699



67, 52.271, 263.458



43, 97.046, 299.197



49, 3.957, 238.832



49, 42.234, 264.968



14, 17.308, 256.933

Previews

White Background



This preview shows how the CIELCh color 64, 72.548, 52.379 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, 72.548, 52.379 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, 72.548, 52.379

Background



This preview shows how black text looks on a background with the CIELCh color 64, 72.548, 52.379.



This preview shows how white text looks on a background with the CIELCh color 64, 72.548, 52.379.

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, 72.548, 52.379

Protanopia

64, 50.698, 95.906

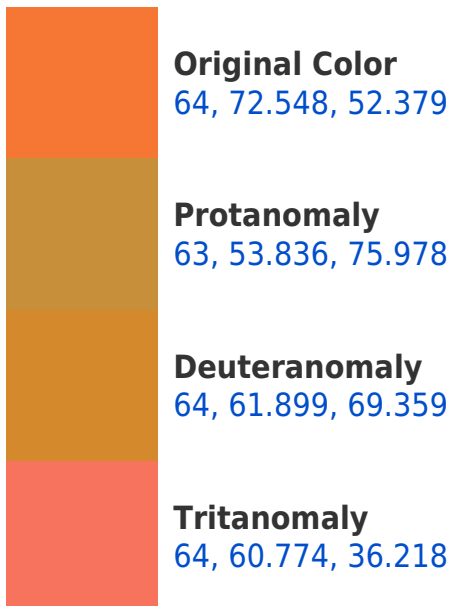
Deuteranopia

64, 59.723, 82.443



Tritanopia
64, 57.030, 22.665

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 72.548, 52.379 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(245, 119, 51)` looks like.

```
.text, #text, p{  
    color:rgb(245, 119, 51)  
}
```

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(245, 119, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 119, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 72.548, 52.379 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(245, 119, 51) }
```

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

```
.border{ border-color:rgb(245, 119, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 119, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 119, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 119, 51);  
box-shadow:4px 4px 4px 4px rgb(245, 119,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 72.548, 52.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 119, 51) }
```

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

```
.background{ background-color: rgb(245,  
119, 51) }
```

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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