

Converting Colors

CIELCh(62, 73.471, 47.458)

Have a look what the booklet for
CIELCh(62, 73.471, 47.458) contains.

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Color

CIELCh(62, 73.468, 47.482)

Conversions

Conversions Part 1

Format	Color
Hex	F56C36
RGB	245, 108, 54
RGB Percent	96%, 42%, 21%
CMY	0.0392, 0.5765, 0.7882
CMYK	0.00, 0.56, 0.78, 0.04
HSL	17°, 91%, 59%
HSV	17°, 78%, 96%
XYZ	43.6829, 30.4025, 7.0556
YIQ	142.8070, 98.9860, 12.2500

Conversions

Conversions Part 2

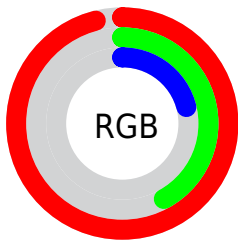
Format	Color
R _Y B	245, 129, 54
Decimal	16084022
CIE Lab	62.00, 49.65, 54.15
CIE LCh	62, 73.468, 47.482
Yxy	30.4025, 0.5384, 0.3747
Android (android.graphics.Color)	4294274102 (0xFFFF56C36)
YUV	142.8070, -43.7819, 89.6233
Hunter-Lab	55.1385, 44.9224, 31.0101

Details

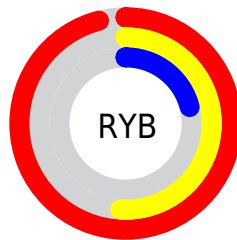
The CIELCh color **62, 73.468, 47.482** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **73, 41.220, 243.723**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 52.809, 57.306**, and **42, 73.120, 47.397** is the 20% darker color. If you saturate the color by 10%, you get **59, 83.771, 47.281**, and if you desaturate by 10%, it is **66, 62.386, 47.412**.

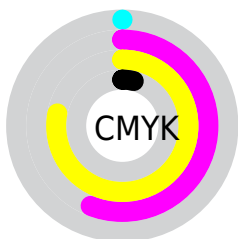
Distribution



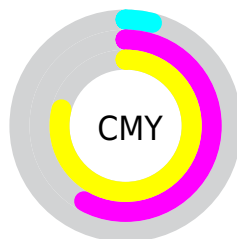
- Red (96%)
- Green (42%)
- Blue (21%)



- Red (96%)
- Yellow (51%)
- Blue (21%)



- Cyan (0%)
- Magenta (56%)
- Yellow (78%)
- Black (4%)



- Cyan (4%)
- Magenta (58%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 73.468, 47.482 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 62, 73.468, 47.482 by changing the saturation by 10% instead.

62, 73.468, 47.482

62, 73.468, 47.482

100, 73.468,
47.482

52, 73.468, 47.482

82, 73.468, 47.482

42, 73.468, 47.482

92, 73.468, 47.482

32, 73.468, 47.482

22, 73.468, 47.482

12, 73.468, 47.482

2, 73.468, 47.482

0, 73.468, 47.482

62, 73.468, 47.482

62, 73.468, 47.482

59, 83.771, 47.281

66, 62.386, 47.412

56, 91.728, 46.264

70, 51.423, 47.357

56, 93.169, 46.071

74, 40.963, 47.422

78, 31.158, 47.628

83, 22.046, 47.960

88, 13.608, 48.390

93, 5.800, 48.860

98, 1.438, 229.968

99, 3.459, 199.377

Harmonies

Complementary

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



62, 73.468, 47.482



73, 41.220, 243.723

Rectangle

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



62, 73.468, 47.482



62, 73.468, 97.482



62, 73.468, 227.482



62, 73.468, 277.482

Sweetspot

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



62, 73.466, 47.485



88, 18.370, 48.161



58, 86.694, 339.563



45, 12.899, 48.011



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62, 73.466, 47.485



59, 91.832, 46.756



82, 73.441, 88.264



49, 4.163, 48.792



43, 75.333, 46.609



11, 26.307, 41.435

Inverse Universe

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



73, 41.220, 243.723



72, 46.711, 250.910



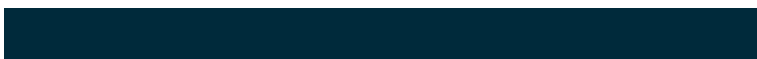
47, 85.537, 295.096



49, 3.948, 230.162



52, 37.669, 252.860



15, 15.980, 245.313

Previews

White Background



This preview shows how the CIELCh color 62, 73.468, 47.482 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 62, 73.468, 47.482 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 62, 73.468, 47.482

Background



This preview shows how black text looks on a background with the CIELCh color 62, 73.468, 47.482.



This preview shows how white text looks on a background with the CIELCh color 62, 73.468, 47.482.

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

62, 73.468, 47.482

Protanopia

62, 45.820, 95.353

Deuteranopia

62, 56.449, 82.262



Tritanopia
62, 61.328, 23.913

Trichromacy



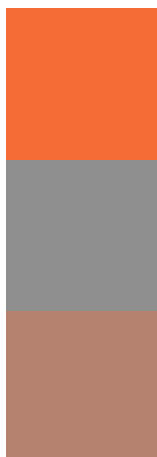
Original Color
62, 73.468, 47.482

Protanomaly
61, 49.884, 71.331

Deuteranomaly
61, 59.580, 66.234

Tritanomaly
62, 64.428, 33.879

Monochromacy



Original Color
62, 73.468, 47.482

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 24.524, 46.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 73.468, 47.482 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, 108, 54)` looks like.

```
.text, #text, p{  
    color:rgb(245, 108, 54)  
}
```

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, 108, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 108, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 73.468, 47.482 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, 108, 54) }
```

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

```
.border{ border-color:rgb(245, 108, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 108, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 108, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 108, 54);  
box-shadow:4px 4px 4px 4px rgb(245, 108,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 73.468, 47.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 108, 54) }
```

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

```
.background{ background-color: rgb(245,  
108, 54) }
```

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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