

Converting Colors

CIELCh(68, 61.823, 42.401)

Have a look what the booklet for
CIELCh(68, 61.823, 42.401) contains.

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Color

CIELCh(68, 61.205, 42.519)

Conversions

Conversions Part 1

Format	Color
Hex	FF815D
RGB	255, 129, 93
RGB Percent	100%, 51%, 36%
CMY	0.0000, 0.4924, 0.6337
CMYK	0.00, 0.49, 0.63, 0.00
HSL	13°, 100%, 68%
HSV	13°, 63%, 100%
XYZ	51.3321, 37.9720, 15.0739
YIQ	162.5700, 86.6520, 15.5160

Conversions

Conversions Part 2

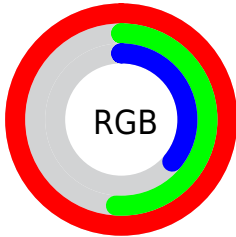
Format	Color
R_{YB}	255, 139, 93
Decimal	16744797
CIE _{Lab}	68.00, 45.11, 41.36
CIE _{LCh}	68, 61.205, 42.519
Yxy	37.9720, 0.4918, 0.3638
Android (android.graphics.Color)	4294934877 (0xFFFF815D)
YUV	162.5700, -34.2980, 81.0611
Hunter-Lab	61.6215, 40.8570, 28.6314

Details

The CIELCh color **68, 61.205, 42.519** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **82, 36.954, 229.010**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 37.008, 55.432**, and **48, 61.452, 42.574** is the 20% darker color. If you saturate the color by 10%, you get **64, 72.825, 43.275**, and if you desaturate by 10%, it is **72, 49.504, 42.033**.

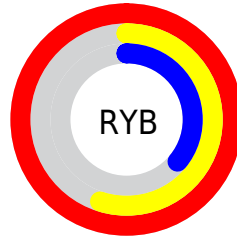
Distribution



Red (100%)

Green (51%)

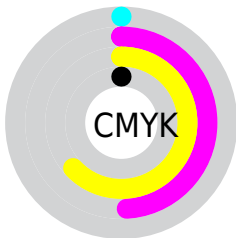
Blue (36%)



Red (100%)

Yellow (55%)

Blue (36%)

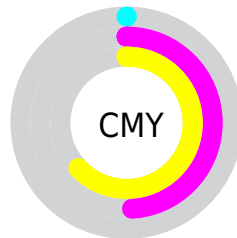


Cyan (0%)

Magenta (49%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 61.205, 42.519 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 68, 61.205, 42.519 by changing the saturation by 10% instead.

 68, 61.205, 42.519

 68, 61.205, 42.519

 100, 61.205,
42.519

 58, 61.205, 42.519

 88, 61.205, 42.519

 48, 61.205, 42.519

 98, 61.205, 42.519

 38, 61.205, 42.519

 28, 61.205, 42.519

 18, 61.205, 42.519

 8, 61.205, 42.519

 0, 61.205, 42.519

 68, 61.205, 42.519

 68, 61.205, 42.519

 64, 72.825, 43.275

 72, 49.504, 42.033

61, 84.345, 43.952

77, 38.645, 41.704

58, 94.107, 44.089

82, 28.522, 41.570

56, 98.914, 43.742

87, 19.154, 41.598

93, 10.512, 41.742

98, 2.543, 41.822

100, 0.012,
296.813

Harmonies

Complementary

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



68, 61.205, 42.519



82, 36.954, 229.010

Rectangle

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



68, 61.205, 42.519



68, 61.205, 92.519



68, 61.205, 222.519



68, 61.205, 272.519

Sweetspot

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



68, 60.991, 42.572



90, 15.291, 41.651



65, 81.519, 335.650



46, 10.650, 41.614



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 60.991, 42.572



63, 75.926, 43.470



86, 62.007, 86.501



50, 4.400, 41.811



42, 79.196, 44.191



12, 29.641, 38.539

Inverse Universe

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



82, 36.954, 229.010



79, 40.747, 232.337



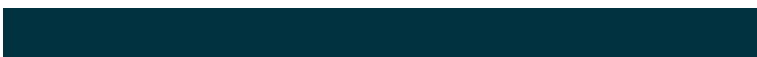
60, 65.447, 287.698



52, 4.150, 222.654



57, 35.931, 240.670



18, 16.255, 234.845

Previews

White Background



This preview shows how the CIELCh color 68, 61.205, 42.519 looks on a white background.

Color Contrast Check

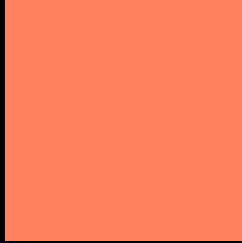
Large Text (above 18pt) WCAG AA × Fail

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 68, 61.205, 42.519 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 68, 61.205, 42.519

Background



This preview shows how black text looks on a background with the CIELCh color 68, 61.205, 42.519.

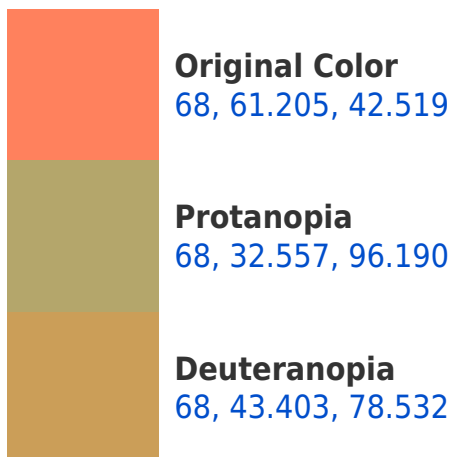


This preview shows how white text looks on a background with the CIELCh color 68, 61.205, 42.519.

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](#).

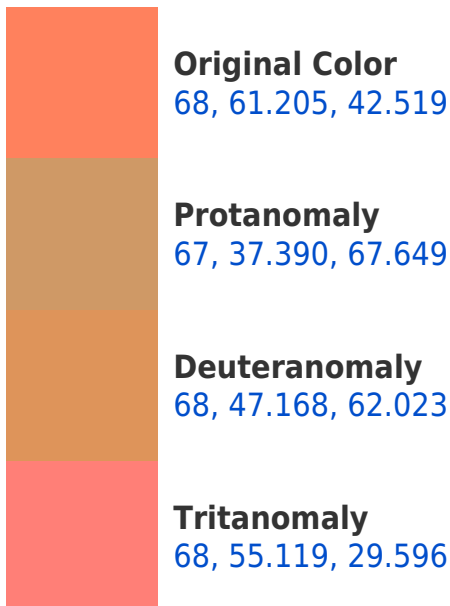
Dichromacy



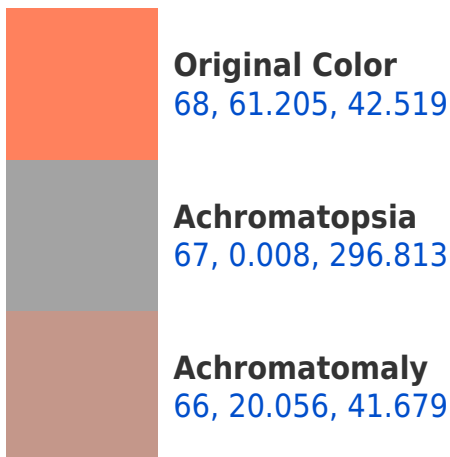


Tritanopia
68, 53.202, 20.890

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 61.205, 42.519 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(255, 129, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 93)  
}
```

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(255, 129, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 61.205, 42.519 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(255, 129, 93) }
```

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

```
.border{ border-color:rgb(255, 129, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 61.205, 42.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 93) }
```

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

```
.background{ background-color: rgb(255,  
129, 93) }
```

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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