

Converting Colors

CIELCh(68, 62.641, 43.362)

Have a look what the booklet for
CIELCh(68, 62.641, 43.362) contains.

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Color

CIELCh(68, 62.124, 43.676)

Conversions

Conversions Part 1

Format	Color
Hex	FF825B
RGB	255, 130, 91
RGB Percent	100%, 51%, 36%
CMY	0.0000, 0.4920, 0.6451
CMYK	0.00, 0.49, 0.65, 0.00
HSL	14°, 100%, 68%
HSV	14°, 65%, 100%
XYZ	51.2641, 37.9720, 14.4120
YIQ	162.9290, 87.0190, 14.3710

Conversions

Conversions Part 2

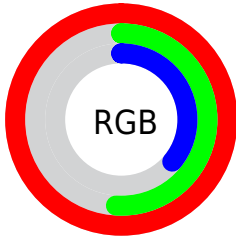
Format	Color
R_{YB}	255, 142, 91
Decimal	16745051
CIE _{Lab}	68.00, 44.93, 42.90
CIE _{LCh}	68, 62.124, 43.676
Yxy	37.9720, 0.4946, 0.3664
Android (android.graphics.Color)	4294935131 (0xFFFF825B)
YUV	162.9290, -35.4610, 80.7463
Hunter-Lab	61.6215, 40.6601, 29.2683

Details

The CIELCh color **68, 62.124, 43.676** 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 **81, 37.393, 231.665**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 37.703, 57.476**, and **48, 61.873, 43.729** is the 20% darker color. If you saturate the color by 10%, you get **64, 73.625, 44.305**, and if you desaturate by 10%, it is **72, 50.400, 43.317**.

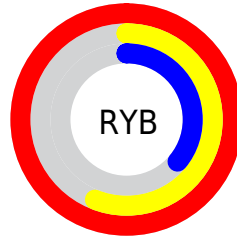
Distribution



Red (100%)

Green (51%)

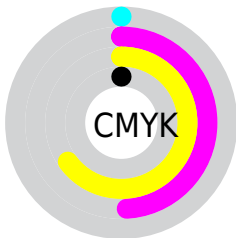
Blue (36%)



Red (100%)

Yellow (56%)

Blue (36%)

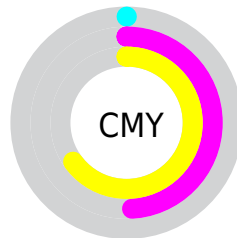


Cyan (0%)

Magenta (49%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 62.124, 43.676 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, 62.124, 43.676 by changing the saturation by 10% instead.

 68, 62.124, 43.676

 68, 62.124, 43.676

 100, 62.124,
43.676

 58, 62.124, 43.676

 88, 62.124, 43.676

 48, 62.124, 43.676

 98, 62.124, 43.676

 38, 62.124, 43.676

 28, 62.124, 43.676

 18, 62.124, 43.676

 8, 62.124, 43.676

 0, 62.124, 43.676

 68, 62.124, 43.676

 68, 62.124, 43.676

 64, 73.625, 44.305

 72, 50.400, 43.317

61, 84.970, 44.776

77, 39.547, 43.078

58, 94.357, 44.617

82, 29.421, 43.023

57, 98.277, 44.229

87, 20.042, 43.122

92, 11.385, 43.334

98, 3.397, 43.536

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, 62.124, 43.676



81, 37.393, 231.665

Rectangle

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



68, 62.124, 43.676



68, 62.124, 93.676



68, 62.124, 223.676



68, 62.124, 273.676

Sweetspot

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



68, 61.861, 43.745



90, 15.187, 43.229



65, 81.670, 336.504



46, 10.576, 43.170



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, 61.861, 43.745



63, 76.532, 44.445



86, 63.692, 87.635



50, 4.371, 43.459



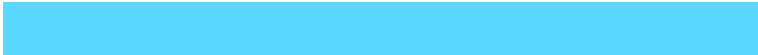
43, 78.673, 44.702



12, 29.431, 39.441

Inverse Universe

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



81, 37.393, 231.665



78, 41.166, 235.263



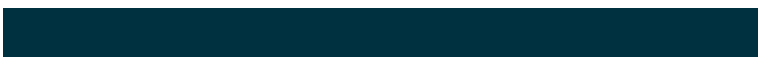
59, 68.345, 289.068



52, 4.127, 224.434



56, 36.391, 243.729



18, 16.365, 237.601

Previews

White Background



This preview shows how the CIELCh color 68, 62.124, 43.676 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, 62.124, 43.676 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, 62.124, 43.676

Background



This preview shows how black text looks on a background with the CIELCh color 68, 62.124, 43.676.

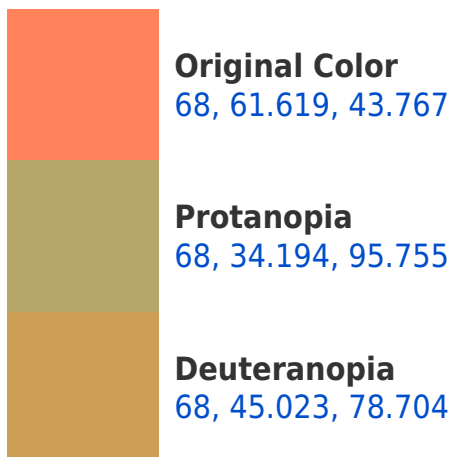


This preview shows how white text looks on a background with the CIELCh color 68, 62.124, 43.676.

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](#).

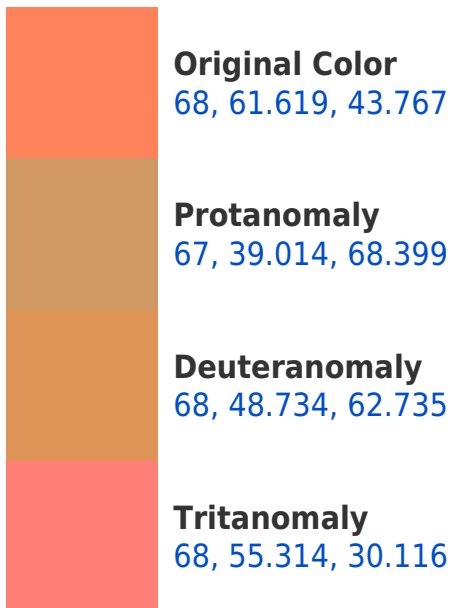
Dichromacy



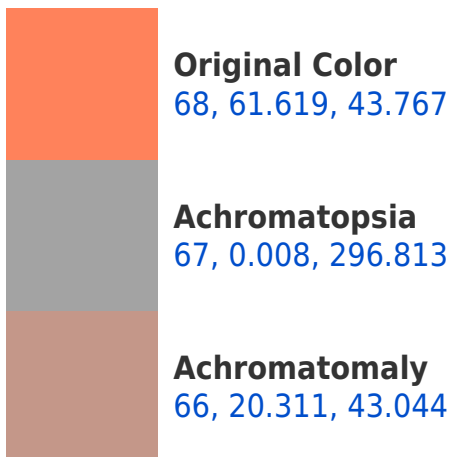


Tritanopia
68, 53.202, 20.890

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 62.124, 43.676 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, 130, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 91)  
}
```

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, 130, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 62.124, 43.676 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, 130, 91) }
```

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

```
.border{ border-color:rgb(255, 130, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 62.124, 43.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 91) }
```

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

```
.background{ background-color: rgb(255,  
130, 91) }
```

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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