

Converting Colors

CIELCh(68, 60.762, 42.699)

Have a look what the booklet for
CIELCh(68, 60.762, 42.699) contains.

CIELCh(68, 60.700, 42.600)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 60.700, 42.600)

Conversions

Conversions Part 1

Format	Color
Hex	FF825E
RGB	255, 130, 94
RGB Percent	100%, 51%, 37%
CMY	0.0006, 0.4906, 0.6318
CMYK	0.00, 0.49, 0.63, 0.00
HSL	13°, 100%, 68%
HSV	13°, 63%, 100%
XYZ	51.1695, 37.9720, 15.1958
YIQ	163.2710, 86.0560, 15.3040

Conversions

Conversions Part 2

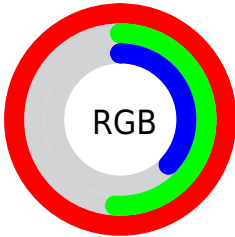
Format	Color
R _Y B	255, 140, 94
Decimal	16745054
CIE Lab	68.00, 44.68, 41.09
CIE LCh	68, 60.700, 42.600
Yxy	37.9720, 0.4904, 0.3639
Android (android.graphics.Color)	4294935134 (0xFFFF825E)
YUV	163.2710, -34.1506, 80.4463
Hunter-Lab	61.6215, 40.3861, 28.5141

Details

The CIELCh color **68, 60.700, 42.600** 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, 36.863, 229.059**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 36.608, 55.802**, and **48, 60.917, 42.617** is the 20% darker color. If you saturate the color by 10%, you get **64, 72.520, 43.299**, and if you desaturate by 10%, it is **72, 49.230, 42.074**.

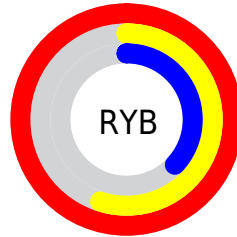
Distribution



Red (100%)

Green (51%)

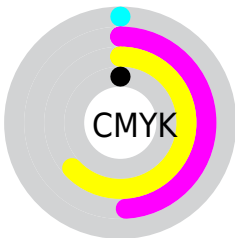
Blue (37%)



Red (100%)

Yellow (55%)

Blue (37%)

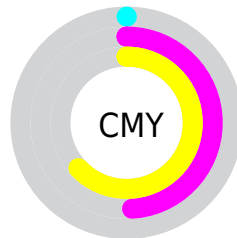


Cyan (0%)

Magenta (49%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 60.700, 42.600 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, 60.700, 42.600 by changing the saturation by 10% instead.

 68, 60.700, 42.600

 68, 60.700, 42.600

 100, 60.700,
42.600

 58, 60.700, 42.600

 88, 60.700, 42.600

 48, 60.700, 42.600

 98, 60.700, 42.600

 38, 60.700, 42.600

 28, 60.700, 42.600

 18, 60.700, 42.600

 8, 60.700, 42.600

 0, 60.700, 42.600

 68, 60.700, 42.600

 68, 60.700, 42.600

 64, 72.520, 43.299

 72, 49.230, 42.074

61, 84.051, 43.972

77, 38.395, 41.754

58, 93.866, 44.121

82, 28.296, 41.629

56, 98.845, 43.762

87, 18.951, 41.663

93, 10.330, 41.812

98, 2.380, 41.880

100, 0.050,
212.869

Harmonies

Complementary

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



68, 60.700, 42.600



82, 36.863, 229.059

Rectangle

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



68, 60.700, 42.600



68, 60.700, 92.600



68, 60.700, 222.600



68, 60.700, 272.600

Sweetspot

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



68, 60.698, 42.603



90, 15.287, 41.715



65, 81.285, 335.632



46, 10.647, 41.677



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, 60.698, 42.603



63, 75.903, 43.507



86, 61.787, 86.532



50, 4.398, 41.877



42, 79.175, 44.211



12, 29.633, 38.575

Inverse Universe

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



82, 36.863, 229.059



79, 40.752, 232.443



60, 65.181, 287.633



52, 4.149, 222.726



57, 35.948, 240.796



18, 16.259, 234.958

Previews

White Background



This preview shows how the CIELCh color 68, 60.700, 42.600 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, 60.700, 42.600 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, 60.700, 42.600

Background



This preview shows how black text looks on a background with the CIELCh color 68, 60.700, 42.600.

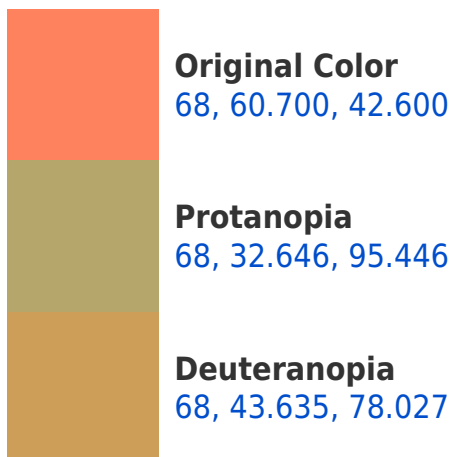


This preview shows how white text looks on a background with the CIELCh color 68, 60.700, 42.600.

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, 53.100, 20.317

Trichromacy



Original Color
68, 60.700, 42.600

Protanomaly
67, 37.696, 67.160

Deuteranomaly
68, 47.168, 62.023

Tritanomaly
68, 54.929, 29.072

Monochromacy



Original Color
68, 60.700, 42.600

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 20.056, 41.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 60.700, 42.600 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 60.700, 42.600 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, 94) }
```

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

```
.border{ border-color:rgb(255, 130, 94) }
```

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, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 60.700, 42.600 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, 94) }
```

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

```
.background{ background-color: rgb(255,  
130, 94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor