

# Converting Colors

CIELCh(68, 70.506, 52.258)

Have a look what the booklet for  
CIELCh(68, 70.506, 52.258) contains.

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# Color

**CIELCh(68, 70.029, 52.426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8341
RGB	255, 131, 65
RGB Percent	100%, 51%, 25%
CMY	0.0000, 0.4855, 0.7444
CMYK	0.00, 0.49, 0.74, 0.00
HSL	21°, 100%, 63%
HSV	21°, 74%, 100%
XYZ	50.4265, 37.9720, 9.7004
YIQ	160.5520, 95.0900, 5.7620

# Conversions

## Conversions Part 2

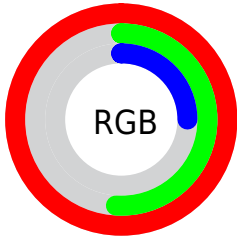
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 166, 65
Decimal	16745281
CIE <sub>Lab</sub>	68.00, 42.70, 55.50
CIE <sub>LCh</sub>	68, 70.029, 52.426
Yxy	37.9720, 0.5140, 0.3871
Android (android.graphics.Color)	4294935361 (0xFFFF8341)
YUV	160.5520, -47.1071, 82.8309
Hunter-Lab	61.6215, 38.2338, 33.8017

# Details

The CIELCh color **68, 70.029, 52.426** is a light color, and the websafe version is hex **FF6633**. The color can be described as light washed orange. A complement of this color would be **73, 44.086, 253.307**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 48.242, 68.848**, and **48, 70.052, 52.556** is the 20% darker color. If you saturate the color by 10%, you get **65, 80.421, 51.717**, and if you desaturate by 10%, it is **72, 58.969, 52.987**.

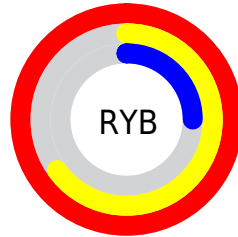
# Distribution



Red (100%)

Green (51%)

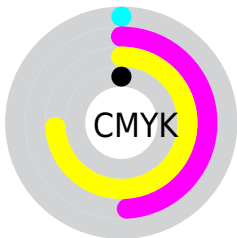
Blue (25%)



Red (100%)

Yellow (65%)

Blue (25%)

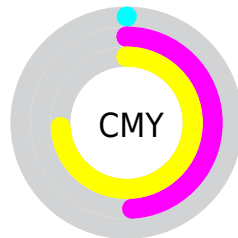


Cyan (0%)

Magenta (49%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 70.029, 52.426 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, 70.029, 52.426 by changing the saturation by 10% instead.



68, 70.029, 52.426

68, 70.029, 52.426

100, 70.029,  
52.426

58, 70.029, 52.426

88, 70.029, 52.426

48, 70.029, 52.426

98, 70.029, 52.426

38, 70.029, 52.426

28, 70.029, 52.426

18, 70.029, 52.426

8, 70.029, 52.426

0, 70.029, 52.426

68, 70.029, 52.426

68, 70.029, 52.426

65, 80.421, 51.717

72, 58.969, 52.987

62, 89.042, 50.297

76, 48.213, 53.496

60, 92.772, 49.211

80, 37.977, 54.070

84, 28.369, 54.724

89, 19.406, 55.450

93, 11.059, 56.224

98, 3.279, 56.938

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, 70.029, 52.426



73, 44.086, 253.307

# Rectangle

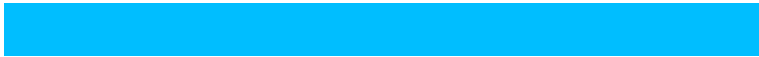
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 70.029, 52.426



68, 70.029, 102.426



68, 70.029, 232.426



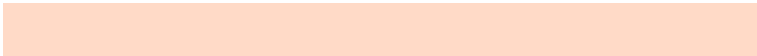
68, 70.029, 282.426

# Sweetspot

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



68, 69.939, 52.464



90, 17.316, 55.636



61, 83.878, 342.891



47, 11.750, 55.430



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, 69.939, 52.464



63, 84.693, 51.190



89, 76.429, 93.610



51, 4.279, 56.604



46, 74.255, 49.841



14, 27.971, 47.631





# Inverse Universe

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



73, 44.086, 253.307



68, 49.784, 259.930



48, 91.804, 297.194



51, 4.089, 238.481



50, 42.921, 264.621



15, 18.341, 257.359



# Previews

## White Background



This preview shows how the CIELCh color 68, 70.029, 52.426 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, 70.029, 52.426 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, 70.029, 52.426

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 70.029, 52.426.

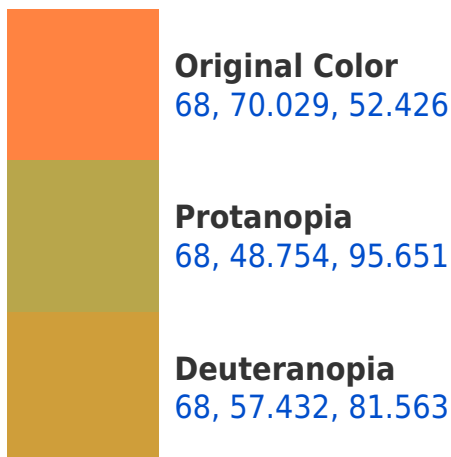


This preview shows how white text looks on a background with the CIELCh color 68, 70.029, 52.426.

# 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

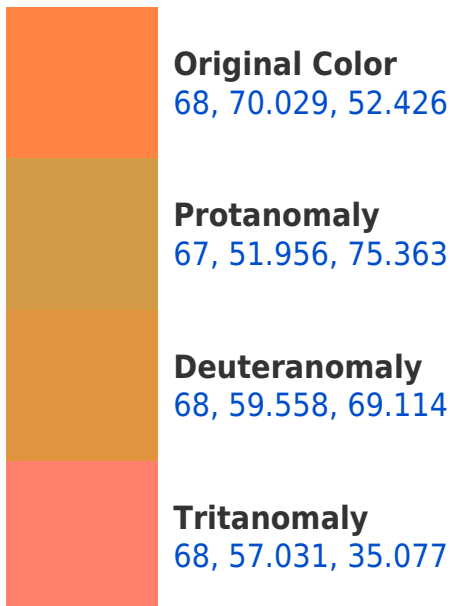




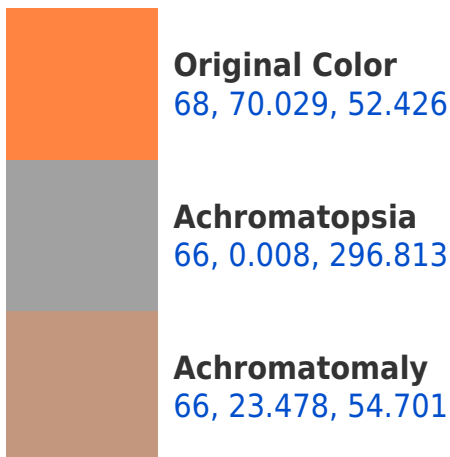
**Tritanopia**  
68, 53.202, 20.890



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 70.029, 52.426 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, 131, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 65)  
}
```

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, 131, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 65) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 70.029, 52.426 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, 131, 65) }
```

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

```
.border{ border-color:rgb(255, 131, 65) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
65) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 70.029, 52.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 65) }
```

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

```
.background{ background-color: rgb(255,  
131, 65) }
```

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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