

# Converting Colors

CIELCh(68, 56.885, 38.455)

Have a look what the booklet for  
CIELCh(68, 56.885, 38.455) contains.

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# Color

**CIELCh(68, 56.995, 38.508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD8268
RGB	253, 130, 104
RGB Percent	99%, 51%, 41%
CMY	0.0067, 0.4892, 0.5913
CMYK	0.00, 0.49, 0.59, 0.01
HSL	10°, 98%, 70%
HSV	10°, 59%, 99%
XYZ	51.1388, 37.9720, 17.7918
YIQ	163.8130, 81.6540, 17.9900

# Conversions

## Conversions Part 2

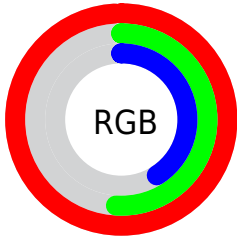
Format	Color
R <sub>Y</sub> B	253, 135, 104
Decimal	16613992
CIE Lab	68.00, 44.60, 35.49
CIE LCh	68, 56.995, 38.508
Yxy	37.9720, 0.4784, 0.3552
Android (android.graphics.Color)	4294804072 (0xFFFD8268)
YUV	163.8130, -29.4878, 78.2170
Hunter-Lab	61.6215, 40.2973, 26.0163

# Details

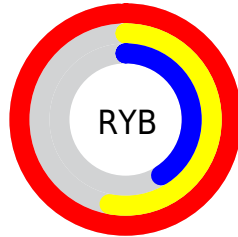
The CIELCh color **68, 56.995, 38.508** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **85, 35.467, 220.395**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 32.928, 48.652**, and **48, 56.955, 38.529** is the 20% darker color. If you saturate the color by 10%, you get **64, 68.895, 39.645**, and if you desaturate by 10%, it is **73, 45.551, 37.649**.

# Distribution



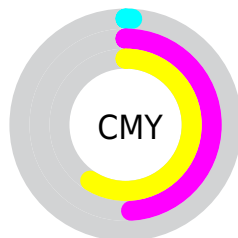
- Red (99%)
- Green (51%)
- Blue (41%)



- Red (99%)
- Yellow (53%)
- Blue (41%)



- Cyan (0%)
- Magenta (49%)
- Yellow (59%)
- Black (1%)



- Cyan (1%)
- Magenta (49%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 56.995, 38.508 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, 56.995, 38.508 by changing the saturation by 10% instead.



68, 56.995, 38.508

68, 56.995, 38.508

100, 56.995,  
38.508

58, 56.995, 38.508

88, 56.995, 38.508

48, 56.995, 38.508

98, 56.995, 38.508

38, 56.995, 38.508

28, 56.995, 38.508

18, 56.995, 38.508

8, 56.995, 38.508

0, 56.995, 38.508

68, 56.995, 38.508

68, 56.995, 38.508

64, 68.895, 39.645

73, 45.551, 37.649

60, 80.791, 40.948

78, 34.781, 37.054

57, 91.631, 42.058

83, 24.764, 36.687

55, 99.540, 42.312

89, 15.508, 36.498

55, 100.326,  
42.360

94, 6.981, 36.417

100, 0.595,  
200.481

# Harmonies

# Complementary

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



68, 56.995, 38.508



85, 35.467, 220.395

# Rectangle

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



68, 56.995, 38.508



68, 56.995, 88.508



68, 56.995, 218.508



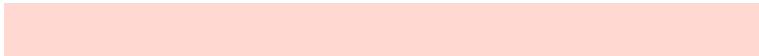
68, 56.995, 268.508

# Sweetspot

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



68, 56.993, 38.511



90, 14.838, 36.489



67, 79.236, 333.202



46, 10.438, 36.526



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, 56.993, 38.511



63, 71.875, 39.921



84, 55.727, 83.117



50, 4.522, 36.422



42, 80.805, 42.718



11, 30.353, 35.778





# Inverse Universe

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



85, 35.467, 220.395



83, 39.572, 222.524



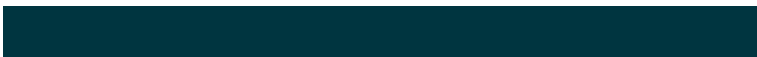
64, 55.918, 282.935



52, 4.255, 216.823



60, 35.101, 230.103



20, 16.142, 225.520



# Previews

## White Background



This preview shows how the CIELCh color 68, 56.995, 38.508 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, 56.995, 38.508 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, 56.995, 38.508

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 56.995, 38.508.

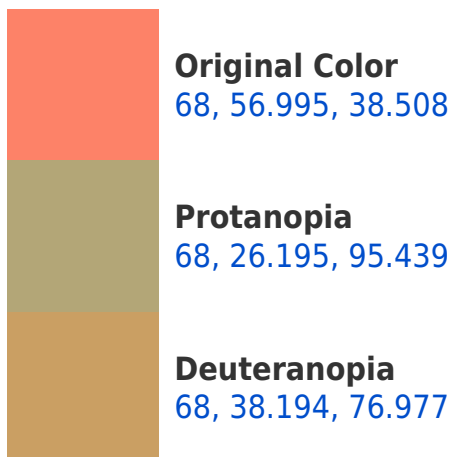


This preview shows how white text looks on a background with the CIELCh color 68, 56.995, 38.508.

# 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, 56.995, 38.508

**Protanomaly**  
67, 31.948, 62.021

**Deuteranomaly**  
68, 42.377, 58.659

**Tritanomaly**  
68, 53.492, 27.386

# Monochromacy



**Original Color**  
68, 56.995, 38.508

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 18.936, 37.696

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 56.995, 38.508 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(253, 130, 104)` looks like.

```
.text, #text, p{  
    color:rgb(253, 130, 104)  
}
```

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(253, 130, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 130, 104) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 56.995, 38.508 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(253, 130, 104) }
```

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

```
.border{ border-color:rgb(253, 130, 104) }
```

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

Here you see how a box with a 4 pixel rgb(253, 130, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 130, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 130, 104);  
box-shadow:4px 4px 4px 4px rgb(253, 130,  
104) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 56.995, 38.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 130, 104) }
```

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

```
.background{ background-color: rgb(253,  
130, 104) }
```

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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