

Converting Colors

CIELCh(72, 66.503, 37.373)

Have a look what the booklet for
CIELCh(72, 66.503, 37.373) contains.

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Color

CIELCh(69, 56.821, 38.464)

Conversions

Conversions Part 1

Format	Color
Hex	FF856B
RGB	255, 133, 107
RGB Percent	100%, 52%, 42%
CMY	0.0000, 0.4782, 0.5805
CMYK	0.00, 0.48, 0.58, 0.00
HSL	11°, 100%, 71%
HSV	11°, 58%, 100%
XYZ	52.7402, 39.3444, 18.7187
YIQ	166.5140, 81.0580, 17.7780

Conversions

Conversions Part 2

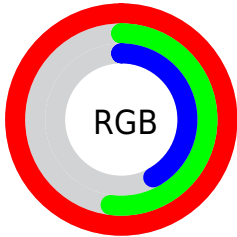
Format	Color
R_{YB}	255, 139, 107
Decimal	16745835
CIE Lab	69.00, 44.49, 35.34
CIE LCh	69, 56.821, 38.464
Yxy	39.3444, 0.4760, 0.3551
Android (android.graphics.Color)	4294935915 (0xFFFF856B)
YUV	166.5140, -29.3404, 77.6022
Hunter-Lab	62.7251, 40.3166, 26.2140

Details

The CIELCh color **69, 56.821, 38.464** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **85, 35.325, 220.529**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 31.691, 49.650**, and **49, 56.199, 38.429** is the 20% darker color. If you saturate the color by 10%, you get **65, 68.246, 39.654**, and if you desaturate by 10%, it is **74, 44.862, 37.729**.

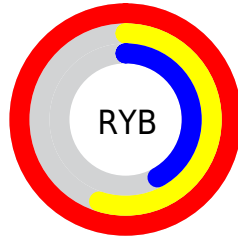
Distribution



Red (100%)

Green (52%)

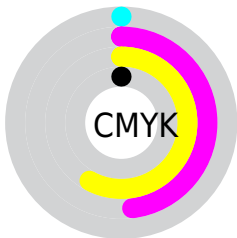
Blue (42%)



Red (100%)

Yellow (55%)

Blue (42%)

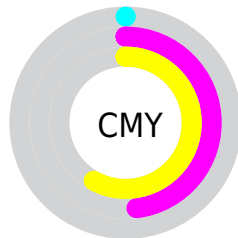


Cyan (0%)

Magenta (48%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 56.821, 38.464 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 69, 56.821, 38.464 by changing the saturation by 10% instead.

 69, 56.821, 38.464

 69, 56.821, 38.464

 100, 56.821,
38.464

 59, 56.821, 38.464

 89, 56.821, 38.464

 49, 56.821, 38.464

 99, 56.821, 38.464

 39, 56.821, 38.464

 29, 56.821, 38.464

 19, 56.821, 38.464

 9, 56.821, 38.464

 0, 56.821, 38.464

 69, 56.821, 38.464

 69, 56.821, 38.464

 65, 68.246, 39.654

 74, 44.862, 37.729

61, 80.231, 40.933

79, 34.101, 37.166

58, 91.272, 42.060

84, 24.100, 36.825

56, 99.458, 42.334

90, 14.864, 36.656

55, 100.792,
42.393

95, 6.355, 36.586

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.



69, 56.821, 38.464



85, 35.325, 220.529

Rectangle

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



69, 56.821, 38.464



69, 56.821, 88.464



69, 56.821, 218.464



69, 56.821, 268.464

Sweetspot

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



69, 56.310, 38.556



90, 13.940, 36.646



68, 78.799, 333.148



47, 9.403, 36.667



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 56.310, 38.556



64, 70.604, 39.895



85, 55.274, 83.234



50, 4.518, 36.596



42, 80.756, 42.761



11, 30.329, 35.863

Inverse Universe

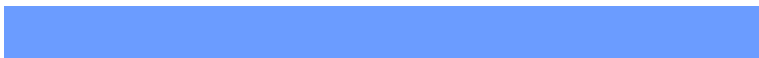
The Inverse Universe completely reimagines the original color for something new.



85, 35.325, 220.529



83, 39.286, 222.595



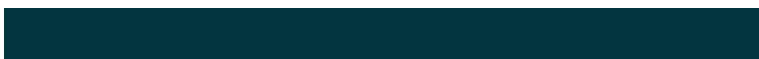
65, 55.413, 282.701



52, 4.251, 217.012



60, 35.111, 230.456



20, 16.139, 225.828

Previews

White Background



This preview shows how the CIELCh color 69, 56.821, 38.464 looks on a white background.

Color Contrast Check

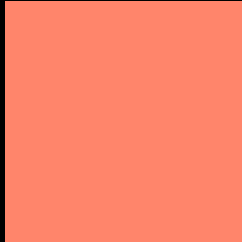
Large Text (above 18pt) WCAG AA × Fail

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 69, 56.821, 38.464 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 69, 56.821, 38.464

Background



This preview shows how black text looks on a background with the CIELCh color 69, 56.821, 38.464.



This preview shows how white text looks on a background with the CIELCh color 69, 56.821, 38.464.

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



Original Color

69, 56.319, 38.515

Protanopia

69, 26.140, 95.481

Deuteranopia

69, 37.631, 76.734



Tritanopia
69, 51.260, 19.797

Trichromacy



Original Color
69, 56.319, 38.515

Protanomaly
68, 31.852, 62.062

Deuteranomaly
69, 41.854, 58.235

Tritanomaly
69, 52.455, 27.228

Monochromacy



Original Color
69, 56.319, 38.515

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 18.852, 37.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 56.821, 38.464 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, 133, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 107)  
}
```

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, 133, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 56.821, 38.464 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, 133, 107) }
```

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

```
.border{ border-color:rgb(255, 133, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 56.821, 38.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 107) }
```

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

```
.background{ background-color: rgb(255,  
133, 107) }
```

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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