

Converting Colors

CIELCh(68, 62.653, 45.568)

Have a look what the booklet for
CIELCh(68, 62.653, 45.568) contains.

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Color

CIELCh(68, 62.697, 45.720)

Conversions

Conversions Part 1

Format	Color
Hex	FF8357
RGB	255, 131, 87
RGB Percent	100%, 51%, 34%
CMY	0.0019, 0.4879, 0.6603
CMYK	0.00, 0.49, 0.66, 0.00
HSL	16°, 99%, 67%
HSV	16°, 66%, 100%
XYZ	50.8275, 37.9720, 13.5861
YIQ	163.0600, 88.0280, 12.6040

Conversions

Conversions Part 2

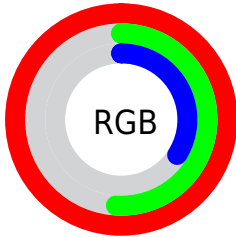
Format	Color
R _Y B	255, 147, 87
Decimal	16745303
CIE Lab	68.00, 43.77, 44.89
CIE LCh	68, 62.697, 45.720
Yxy	37.9720, 0.4964, 0.3709
Android (android.graphics.Color)	4294935383 (0xFFFF8357)
YUV	163.0600, -37.4976, 80.6314
Hunter-Lab	61.6215, 39.3954, 30.0629

Details

The CIELCh color **68, 62.697, 45.720** 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 **79, 38.078, 236.160**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 39.214, 60.427**, and **48, 62.941, 45.526** is the 20% darker color. If you saturate the color by 10%, you get **64, 74.290, 46.025**, and if you desaturate by 10%, it is **72, 51.331, 45.498**.

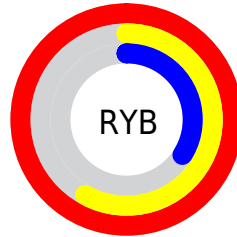
Distribution



Red (100%)

Green (51%)

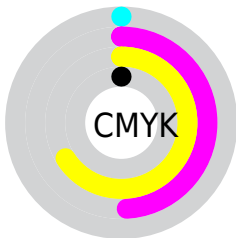
Blue (34%)



Red (100%)

Yellow (58%)

Blue (34%)

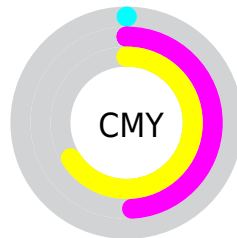


Cyan (0%)

Magenta (49%)

Yellow (66%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 62.697, 45.720 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, 62.697, 45.720 by changing the saturation by 10% instead.

 68, 62.697, 45.720

 68, 62.697, 45.720

 100, 62.697,
45.720

 58, 62.697, 45.720

 88, 62.697, 45.720

 48, 62.697, 45.720

 98, 62.697, 45.720

 38, 62.697, 45.720

 28, 62.697, 45.720

 18, 62.697, 45.720

 8, 62.697, 45.720

 0, 62.697, 45.720

 68, 62.697, 45.720

 68, 62.697, 45.720

 64, 74.290, 46.025

 72, 51.331, 45.498

61, 85.314, 46.150

77, 40.542, 45.427

58, 94.136, 45.529

81, 30.458, 45.518

57, 96.988, 45.147

86, 21.106, 45.747

92, 12.462, 46.081

97, 4.474, 46.434

100, 0.168,
203.334

Harmonies

Complementary

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



68, 62.697, 45.720



79, 38.078, 236.160

Rectangle

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



68, 62.697, 45.720



68, 62.697, 95.720



68, 62.697, 225.720



68, 62.697, 275.720

Sweetspot

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



68, 62.695, 45.723



90, 15.891, 45.937



64, 81.934, 337.424



46, 10.966, 45.843



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, 62.695, 45.723



63, 77.872, 46.100



87, 65.572, 88.701



50, 4.331, 46.322



43, 77.741, 45.656



12, 29.079, 41.071

Inverse Universe

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



79, 38.078, 236.160



76, 42.198, 240.438



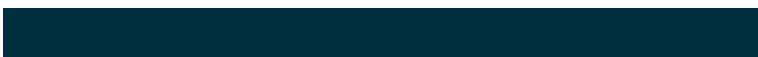
57, 71.607, 290.483



51, 4.098, 227.515



55, 37.398, 248.816



17, 16.633, 242.252

Previews

White Background



This preview shows how the CIELCh color 68, 62.697, 45.720 looks on a white background.

Color Contrast Check

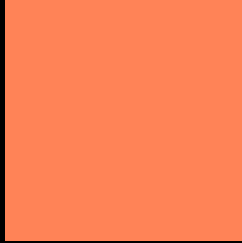
Large Text (above 18pt) WCAG AA × Fail

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, 62.697, 45.720 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, 62.697, 45.720

Background



This preview shows how black text looks on a background with the CIELCh color 68, 62.697, 45.720.

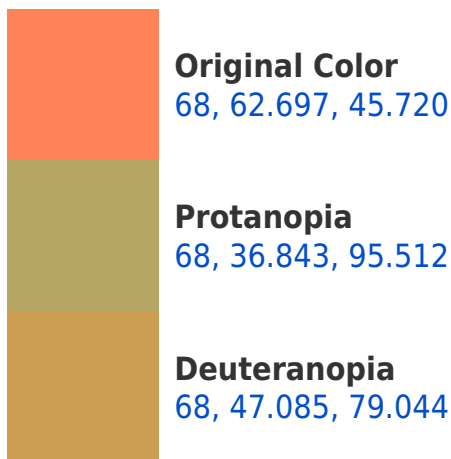


This preview shows how white text looks on a background with the CIELCh color 68, 62.697, 45.720.

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, 62.697, 45.720

Protanomaly
67, 41.234, 70.251

Deuteranomaly
68, 50.374, 64.037

Tritanomaly
68, 55.226, 31.114

Monochromacy



Original Color
68, 62.697, 45.720

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 20.856, 45.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 62.697, 45.720 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 62.697, 45.720 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, 87) }
```

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

```
.border{ border-color:rgb(255, 131, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 62.697, 45.720 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
131, 87) }
```

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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