

Converting Colors

CIELCh(68, 66.122, 48.553)

Have a look what the booklet for
CIELCh(68, 66.122, 48.553) contains.

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Color

CIELCh(68, 65.816, 48.295)

Conversions

Conversions Part 1

Format	Color
Hex	FF824E
RGB	255, 130, 78
RGB Percent	100%, 51%, 31%
CMY	0.0000, 0.4886, 0.6927
CMYK	0.00, 0.49, 0.69, 0.00
HSL	18°, 100%, 65%
HSV	18°, 69%, 100%
XYZ	50.8329, 37.9720, 11.9256
YIQ	161.4470, 91.1920, 10.3280

Conversions

Conversions Part 2

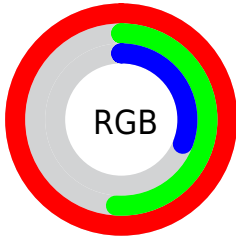
Format	Color
R _Y B	255, 152, 78
Decimal	16745038
CIE Lab	68.00, 43.79, 49.14
CIE LCh	68, 65.816, 48.295
Yxy	37.9720, 0.5046, 0.3770
Android (android.graphics.Color)	4294935118 (0xFFFF824E)
YUV	161.4470, -41.1394, 82.0460
Hunter-Lab	61.6215, 39.4109, 31.6607

Details

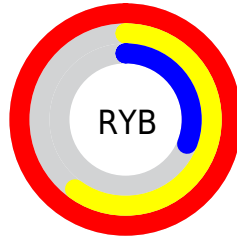
The CIELCh color **68, 65.816, 48.295** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **77, 39.994, 242.675**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 42.767, 63.572**, and **48, 65.823, 48.178** is the 20% darker color. If you saturate the color by 10%, you get **64, 76.943, 48.291**, and if you desaturate by 10%, it is **72, 54.335, 48.401**.

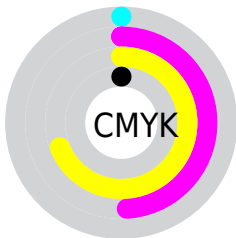
Distribution



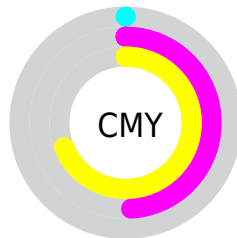
- Red (100%)
- Green (51%)
- Blue (31%)



- Red (100%)
- Yellow (60%)
- Blue (31%)



- Cyan (0%)
- Magenta (49%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 65.816, 48.295 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, 65.816, 48.295 by changing the saturation by 10% instead.

68, 65.816, 48.295

68, 65.816, 48.295

100, 65.816,
48.295

58, 65.816, 48.295

88, 65.816, 48.295

48, 65.816, 48.295

98, 65.816, 48.295

38, 65.816, 48.295

28, 65.816, 48.295

18, 65.816, 48.295

8, 65.816, 48.295

0, 65.816, 48.295

68, 65.816, 48.295

68, 65.816, 48.295

64, 76.943, 48.291

72, 54.335, 48.401

61, 87.248, 47.863

76, 43.514, 48.541

59, 94.999, 46.608

81, 33.348, 48.810

58, 95.519, 46.530

85, 23.887, 49.199

90, 15.118, 49.684

95, 6.997, 50.215

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, 65.816, 48.295



77, 39.994, 242.675

Rectangle

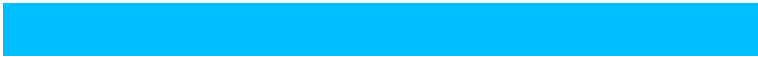
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 65.816, 48.295



68, 65.816, 98.295



68, 65.816, 228.295



68, 65.816, 278.295

Sweetspot

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



68, 65.631, 48.359



90, 16.587, 49.595



63, 82.954, 339.438



46, 11.349, 49.456



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, 65.631, 48.359



63, 80.986, 48.201



88, 69.966, 90.718



51, 4.295, 50.203



44, 76.441, 47.091



13, 28.628, 43.415

Inverse Universe

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



77, 39.994, 242.675



73, 44.494, 247.969



53, 79.308, 293.293



51, 4.077, 231.676



53, 39.152, 255.234



17, 17.147, 248.258

Previews

White Background



This preview shows how the CIELCh color 68, 65.816, 48.295 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, 65.816, 48.295 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, 65.816, 48.295

Background



This preview shows how black text looks on a background with the CIELCh color 68, 65.816, 48.295.



This preview shows how white text looks on a background with the CIELCh color 68, 65.816, 48.295.

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



Original Color
68, 65.816, 48.295

Protanomaly
67, 45.092, 72.288

Deuteranomaly
68, 54.385, 66.241

Tritanomaly
68, 55.868, 32.636

Monochromacy



Original Color
68, 65.816, 48.295

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 21.755, 49.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 65.816, 48.295 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 65.816, 48.295 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, 78) }
```

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

```
.border{ border-color:rgb(255, 130, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 65.816, 48.295 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, 78) }
```

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

```
.background{ background-color: rgb(255,  
130, 78) }
```

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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