

Converting Colors

CIE LCh(83, 104.309, 40.156)

Have a look what the booklet for
CIELCh(83, 104.309, 40.156)
contains.

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Color

CIELCh(68, 64.525, 45.744)

Conversions

Conversions Part 1

Format	Color
Hex	FF8154
RGB	255, 129, 84
RGB Percent	100%, 51%, 33%
CMY	0.0000, 0.4929, 0.6698
CMYK	0.00, 0.49, 0.67, 0.00
HSL	16°, 100%, 67%
HSV	16°, 67%, 100%
XYZ	51.3012, 37.9720, 13.0518
YIQ	161.5440, 89.5410, 12.7170

Conversions

Conversions Part 2

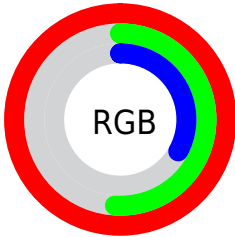
Format	Color
R _{YB}	255, 145, 84
Decimal	16744788
CIE Lab	68.00, 45.03, 46.21
CIE LCh	68, 64.525, 45.744
Yxy	37.9720, 0.5014, 0.3711
Android (android.graphics.Color)	4294934868 (0xFFFF8154)
YUV	161.5440, -38.2292, 81.9609
Hunter-Lab	61.6215, 40.7676, 30.5770

Details

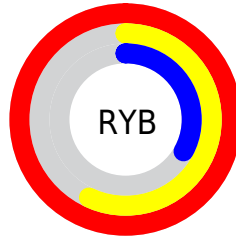
The CIELCh color **68, 64.525, 45.744** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **79, 38.530, 236.823**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 40.368, 60.118**, and **48, 63.885, 45.769** is the 20% darker color. If you saturate the color by 10%, you get **64, 75.495, 46.199**, and if you desaturate by 10%, it is **72, 52.495, 45.705**.

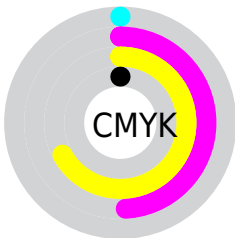
Distribution



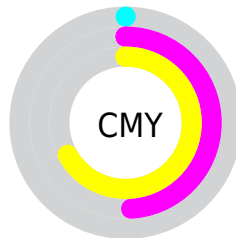
- Red (100%)
- Green (51%)
- Blue (33%)



- Red (100%)
- Yellow (57%)
- Blue (33%)



- Cyan (0%)
- Magenta (49%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 64.525, 45.744 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, 64.525, 45.744 by changing the saturation by 10% instead.

 68, 64.525, 45.744

 68, 64.525, 45.744

 100, 64.525,
45.744

 58, 64.525, 45.744

 88, 64.525, 45.744

 48, 64.525, 45.744

 98, 64.525, 45.744

 38, 64.525, 45.744

 28, 64.525, 45.744

 18, 64.525, 45.744

 8, 64.525, 45.744

 0, 64.525, 45.744

 68, 64.525, 45.744

 68, 64.525, 45.744

 64, 75.495, 46.199

 72, 52.495, 45.705

61, 86.387, 46.255

76, 41.634, 45.635

58, 94.885, 45.500

81, 31.471, 45.725

57, 97.027, 45.230

86, 22.041, 45.955

91, 13.321, 46.293

96, 5.264, 46.666

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, 64.525, 45.744



79, 38.530, 236.823

Rectangle

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



68, 64.525, 45.744



68, 64.525, 95.744



68, 64.525, 225.744



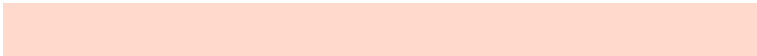
68, 64.525, 275.744

Sweetspot

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



68, 63.906, 45.924



90, 15.879, 46.182



64, 82.917, 337.524



46, 10.957, 46.085



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, 63.906, 45.924



63, 78.913, 46.260



87, 66.561, 88.555



50, 4.328, 46.579



43, 77.656, 45.746



12, 29.048, 41.222

Inverse Universe

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



79, 38.530, 236.823



76, 42.523, 241.215



56, 72.943, 290.796



51, 4.096, 227.792



55, 37.501, 249.259



17, 16.662, 242.661

Previews

White Background



This preview shows how the CIELCh color 68, 64.525, 45.744 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, 64.525, 45.744 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, 64.525, 45.744

Background



This preview shows how black text looks on a background with the CIELCh color 68, 64.525, 45.744.



This preview shows how white text looks on a background with the CIELCh color 68, 64.525, 45.744.

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, 53.665, 21.015

Trichromacy



Original Color
68, 64.022, 45.852

Protanomaly
67, 42.128, 70.925

Deuteranomaly
68, 51.607, 64.940

Tritanomaly
68, 55.930, 31.650

Monochromacy



Original Color
68, 64.022, 45.852

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 21.278, 45.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 64.525, 45.744 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, 129, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 84)  
}
```

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, 129, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 64.525, 45.744 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, 129, 84) }
```

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

```
.border{ border-color:rgb(255, 129, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 64.525, 45.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 84) }
```

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

```
.background{ background-color: rgb(255,  
129, 84) }
```

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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