

Converting Colors

CIELCh(64, 68.383, 37.070)

Have a look what the booklet for
CIELCh(64, 68.383, 37.070) contains.

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Color

CIELCh(64, 68.194, 36.839)

Conversions

Conversions Part 1

Format	Color
Hex	FF6C55
RGB	255, 108, 85
RGB Percent	100%, 42%, 33%
CMY	0.0000, 0.5750, 0.6654
CMYK	0.00, 0.58, 0.67, 0.00
HSL	8°, 100%, 67%
HSV	8°, 67%, 100%
XYZ	48.4472, 32.8017, 12.4388
YIQ	149.3310, 94.9950, 24.0110

Conversions

Conversions Part 2

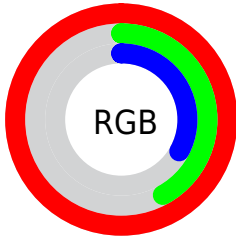
Format	Color
RYB	255, 112, 85
Decimal	16739413
CIELab	64.00, 54.58, 40.89
CIELCh	64, 68.194, 36.839
Yxy	32.8017, 0.5171, 0.3501
Android (android.graphics.Color)	4294929493 (0xFFFF6C55)
YUV	149.3310, -31.7152, 92.6717
Hunter-Lab	57.2727, 50.7663, 27.2140

Details

The CIELCh color **64, 68.194, 36.839** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **85, 39.003, 215.440**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 42.157, 43.518**, and **44, 68.400, 37.036** is the 20% darker color. If you saturate the color by 10%, you get **60, 80.121, 38.596**, and if you desaturate by 10%, it is **68, 55.969, 35.390**.

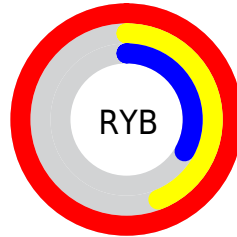
Distribution



Red (100%)

Green (42%)

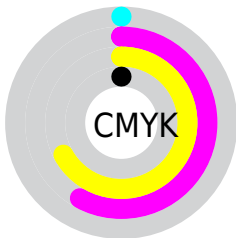
Blue (33%)



Red (100%)

Yellow (44%)

Blue (33%)

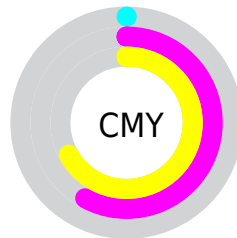


Cyan (0%)

Magenta (58%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (58%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 68.194, 36.839 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 64, 68.194, 36.839 by changing the saturation by 10% instead.

64, 68.194, 36.839

64, 68.194, 36.839

100, 68.194,
36.839

54, 68.194, 36.839

84, 68.194, 36.839

44, 68.194, 36.839

94, 68.194, 36.839

34, 68.194, 36.839

24, 68.194, 36.839

14, 68.194, 36.839

4, 68.194, 36.839

0, 68.194, 36.839

64, 68.194, 36.839

64, 68.194, 36.839

60, 80.121, 38.596

68, 55.969, 35.390

■ 57, 91.380, 40.324

■ 73, 44.386, 34.267

■ 55, 99.889, 41.271

■ 79, 33.473, 33.454

■ 54, 102.124,
41.504

■ 84, 23.316, 32.895

■ 90, 13.930, 32.529

■ 96, 5.282, 32.260

100, 0.012,
296.813

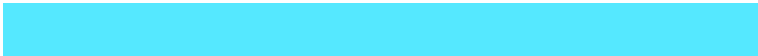
Harmonies

Complementary

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



64, 68.194, 36.839



85, 39.003, 215.440

Rectangle

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



64, 68.194, 36.839



64, 68.194, 86.839



64, 68.194, 216.839



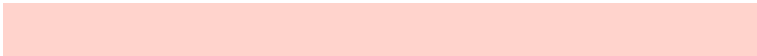
64, 68.194, 266.839

Sweetspot

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



64, 68.020, 36.853



88, 17.090, 32.638



65, 89.214, 332.383



45, 11.799, 32.739



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 68.020, 36.853



59, 84.181, 39.223



82, 62.148, 79.057



50, 4.648, 32.343



41, 81.889, 41.801



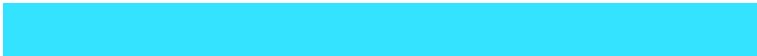
11, 30.919, 33.841

Inverse Universe

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



85, 39.003, 215.440



83, 42.125, 217.564



62, 60.936, 282.907



52, 4.369, 212.398



62, 35.233, 221.694



20, 16.327, 218.246

Previews

White Background



This preview shows how the CIELCh color 64, 68.194, 36.839 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 64, 68.194, 36.839 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 64, 68.194, 36.839

Background



This preview shows how black text looks on a background with the CIELCh color 64, 68.194, 36.839.



This preview shows how white text looks on a background with the CIELCh color 64, 68.194, 36.839.

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

64, 68.194, 36.839

Protanopia

64, 29.775, 95.215

Deuteranopia

64, 43.422, 79.153



Tritanopia
64, 62.808, 24.437

Trichromacy



Original Color
64, 68.194, 36.839

Protanomaly
63, 37.112, 59.274

Deuteranomaly
63, 48.341, 57.851

Tritanomaly
64, 64.345, 29.430

Monochromacy



Original Color
64, 68.194, 36.839

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 23.022, 34.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 68.194, 36.839 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, 108, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 85)  
}
```

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, 108, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 68.194, 36.839 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, 108, 85) }
```

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

```
.border{ border-color:rgb(255, 108, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 68.194, 36.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 85) }
```

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

```
.background{ background-color: rgb(255,  
108, 85) }
```

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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