

Converting Colors

CIELCh(63, 68.980, 34.227)

Have a look what the booklet for
CIELCh(63, 68.980, 34.227) contains.

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Color

CIELCh(63, 68.888, 34.299)

Conversions

Conversions Part 1

Format	Color
Hex	FF6757
RGB	255, 103, 87
RGB Percent	100%, 40%, 34%
CMY	0.0006, 0.5966, 0.6593
CMYK	0.00, 0.60, 0.66, 0.00
HSL	6°, 100%, 67%
HSV	6°, 66%, 100%
XYZ	47.7307, 31.5869, 12.5714
YIQ	146.6240, 95.7280, 27.2480

Conversions

Conversions Part 2

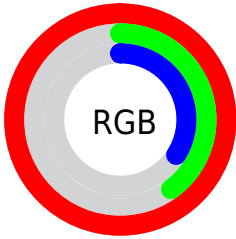
Format	Color
RYB	255, 105, 87
Decimal	16738135
CIELab	63.00, 56.91, 38.82
CIElCh	63, 68.888, 34.299
Yxy	31.5869, 0.5194, 0.3438
Android (android.graphics.Color)	4294928215 (0xFFFF6757)
YUV	146.6240, -29.3946, 95.0458
Hunter-Lab	56.2022, 53.2402, 26.0795

Details

The CIELCh color **63, 68.888, 34.299** 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 **87, 39.945, 209.235**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 42.626, 38.499**, and **43, 68.967, 34.166** is the 20% darker color. If you saturate the color by 10%, you get **59, 80.999, 36.519**, and if you desaturate by 10%, it is **68, 56.735, 32.456**.

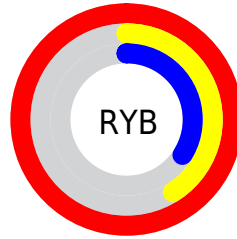
Distribution



Red (100%)

Green (40%)

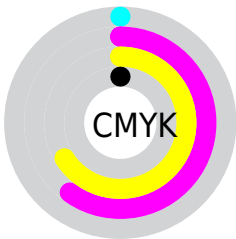
Blue (34%)



Red (100%)

Yellow (41%)

Blue (34%)

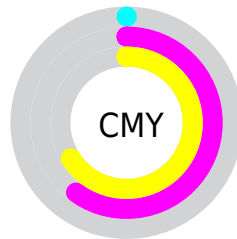


Cyan (0%)

Magenta (60%)

Yellow (66%)

Black (0%)



Cyan (0%)

Magenta (60%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 68.888, 34.299 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 63, 68.888, 34.299 by changing the saturation by 10% instead.

 63, 68.888, 34.299

 63, 68.888, 34.299

 100, 68.888,
34.299

 53, 68.888, 34.299

 83, 68.888, 34.299

 43, 68.888, 34.299

 93, 68.888, 34.299

 33, 68.888, 34.299

 23, 68.888, 34.299

 13, 68.888, 34.299

 3, 68.888, 34.299

 0, 68.888, 34.299

 63, 68.888, 34.299

 63, 68.888, 34.299

 59, 80.999, 36.519

 68, 56.735, 32.456

■ 56, 92.215, 38.817

■ 73, 44.974, 31.021

■ 54, 100.662,
40.388

■ 78, 33.836, 29.948

■ 54, 103.116,
40.845

■ 84, 23.433, 29.167

■ 90, 13.800, 28.604

■ 96, 4.916, 28.147

100, 0.057,
211.041

Harmonies

Complementary

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



63, 68.888, 34.299



87, 39.945, 209.235

Rectangle

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



63, 68.888, 34.299



63, 68.888, 84.299



63, 68.888, 214.299



63, 68.888, 264.299

Sweetspot

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



63, 68.885, 34.302



88, 17.658, 28.813



65, 91.624, 330.462



45, 12.189, 28.973



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 68.885, 34.302



58, 84.668, 37.246



80, 60.408, 74.692



50, 4.804, 28.315



40, 82.805, 41.069



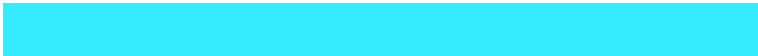
11, 31.568, 31.839

Inverse Universe

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



87, 39.945, 209.235



86, 43.136, 210.491



64, 55.824, 278.550



52, 4.515, 208.028



65, 36.078, 213.278



21, 16.762, 211.019

Previews

White Background



This preview shows how the CIELCh color 63, 68.888, 34.299 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 63, 68.888, 34.299 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 63, 68.888, 34.299

Background



This preview shows how black text looks on a background with the CIELCh color 63, 68.888, 34.299.

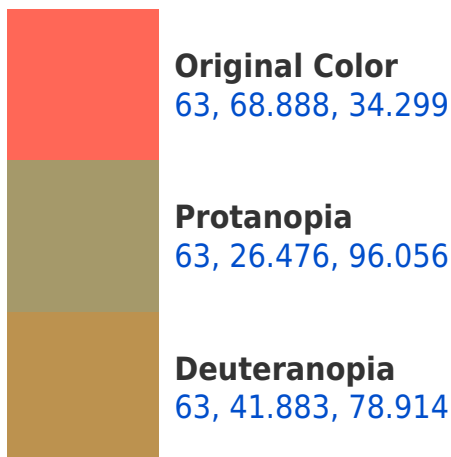


This preview shows how white text looks on a background with the CIELCh color 63, 68.888, 34.299.

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
63, 65.155, 25.080

Trichromacy



Original Color
63, 68.888, 34.299

Protanomaly
62, 35.306, 55.376

Deuteranomaly
62, 47.480, 55.164

Tritanomaly
63, 66.166, 28.559

Monochromacy



Original Color
63, 68.888, 34.299

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 23.829, 28.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 68.888, 34.299 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, 103, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 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, 103, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 68.888, 34.299 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, 103, 87) }
```

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

```
.border{ border-color:rgb(255, 103, 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, 103, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 68.888, 34.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 87) }
```

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

```
.background{ background-color: rgb(255,  
103, 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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