

Converting Colors

CIELCh(63, 86.360, 35.273)

Have a look what the booklet for
CIELCh(63, 86.360, 35.273) contains.

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Color

CIELCh(60, 78.800, 34.957)

Conversions

Conversions Part 1

Format	Color
Hex	FF5345
RGB	255, 83, 69
RGB Percent	100%, 33%, 27%
CMY	0.0000, 0.6740, 0.7299
CMYK	0.00, 0.67, 0.73, 0.00
HSL	5°, 100%, 64%
HSV	5°, 73%, 100%
XYZ	45.8616, 28.1233, 8.6223
YIQ	132.8320, 107.0060, 32.1100

Conversions

Conversions Part 2

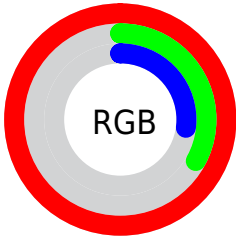
Format	Color
R_{YB}	255, 84, 69
Decimal	16732997
CIE _{Lab}	60.00, 64.58, 45.15
CIE _{LCh}	60, 78.800, 34.957
Yxy	28.1233, 0.5552, 0.3404
Android (android.graphics.Color)	4294923077 (0xFFFF5345)
YUV	132.8320, -31.4692, 107.1413
Hunter-Lab	53.0314, 61.5618, 27.4821

Details

The CIELCh color **60, 78.800, 34.957** is a dark color, and the websafe version is hex **FF3333**. The color can be described as middle washed red. A complement of this color would be **88, 42.604, 207.018**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 51.557, 37.503**, and **40, 78.333, 34.987** is the 20% darker color. If you saturate the color by 10%, you get **57, 89.856, 37.525**, and if you desaturate by 10%, it is **64, 66.132, 32.608**.

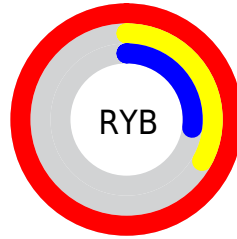
Distribution



Red (100%)

Green (33%)

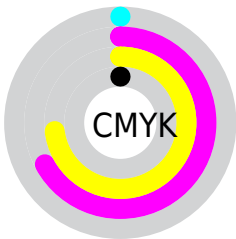
Blue (27%)



Red (100%)

Yellow (33%)

Blue (27%)

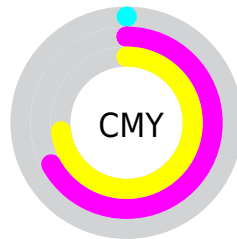


Cyan (0%)

Magenta (67%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (67%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 78.800, 34.957 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 60, 78.800, 34.957 by changing the saturation by 10% instead.

 60, 78.800, 34.957

 60, 78.800, 34.957

 100, 78.800,
34.957

 50, 78.800, 34.957

 80, 78.800, 34.957

 40, 78.800, 34.957

 90, 78.800, 34.957

 30, 78.800, 34.957

 20, 78.800, 34.957

 10, 78.800, 34.957

 0, 78.800, 34.957

 60, 78.800, 34.957

 60, 78.800, 34.957

 57, 89.856, 37.525

 64, 66.132, 32.608

 55, 99.234, 39.684

 68, 53.997, 30.708

54, 103.545,
40.613

74, 42.286, 29.243

79, 31.213, 28.146

85, 20.881, 27.336

92, 11.318, 26.734

98, 2.498, 26.119

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.



60, 78.800, 34.957



88, 42.604, 207.018

Rectangle

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



60, 78.800, 34.957



60, 78.800, 84.957



60, 78.800, 214.957



60, 78.800, 264.957

Sweetspot

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



60, 78.317, 34.946



86, 19.903, 27.268



63, 98.965, 330.175



44, 13.524, 27.458



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 78.317, 34.946



56, 94.976, 38.728



77, 66.636, 72.000



50, 4.884, 26.553



40, 83.146, 40.805



10, 31.889, 30.920

Inverse Universe

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



88, 42.604, 207.018



86, 45.021, 208.380



62, 60.363, 279.659



52, 4.590, 206.117



66, 36.687, 209.618



22, 17.037, 207.875

Previews

White Background



This preview shows how the CIELCh color 60, 78.800, 34.957 looks on a white background.

Color Contrast Check

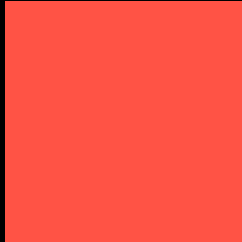
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 78.800, 34.957 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 78.800, 34.957

Background



This preview shows how black text looks on a background with the CIELCh color 60, 78.800, 34.957.



This preview shows how white text looks on a background with the CIELCh color 60, 78.800, 34.957.

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

60, 78.313, 34.876

Protanopia

60, 31.191, 95.147

Deuteranopia

60, 47.789, 80.818



Tritanopia
60, 74.415, 28.483

Trichromacy



Original Color
60, 78.313, 34.876

Protanomaly
58, 40.801, 54.584

Deuteranomaly
58, 54.339, 55.476

Tritanomaly
60, 75.770, 30.762

Monochromacy



Original Color
60, 78.313, 34.876

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 27.093, 28.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 78.800, 34.957 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, 83, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 69)  
}
```

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, 83, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 78.800, 34.957 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, 83, 69) }
```

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

```
.border{ border-color:rgb(255, 83, 69) }
```

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

Here you see how a box with a 4 pixel rgb(255, 83, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 78.800, 34.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 69) }
```

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

```
.background{ background-color: rgb(255, 83,  
69) }
```

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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