

Converting Colors

CIELCh(60, 80.638, 36.474)

Have a look what the booklet for
CIELCh(60, 80.638, 36.474) contains.

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Color

CIELCh(60, 79.667, 36.486)

Conversions

Conversions Part 1

Format	Color
Hex	FF5441
RGB	255, 84, 65
RGB Percent	100%, 33%, 25%
CMY	0.0000, 0.6712, 0.7464
CMYK	0.00, 0.67, 0.75, 0.00
HSL	6°, 100%, 63%
HSV	6°, 75%, 100%
XYZ	45.6757, 28.1233, 7.9700
YIQ	132.9630, 108.0150, 30.3430

Conversions

Conversions Part 2

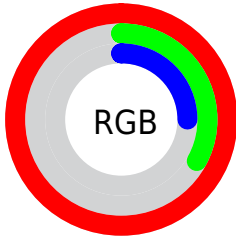
Format	Color
R_{YB}	255, 86, 65
Decimal	16733249
CIE _{Lab}	60.00, 64.05, 47.37
CIE _{LCh}	60, 79.667, 36.486
Yxy	28.1233, 0.5586, 0.3439
Android (android.graphics.Color)	4294923329 (0xFFFF5441)
YUV	132.9630, -33.5058, 107.0264
Hunter-Lab	53.0314, 60.9360, 28.2114

Details

The CIELCh color **60, 79.667, 36.486** 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 **86, 42.096, 210.891**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 52.389, 40.092**, and **40, 79.080, 36.355** is the 20% darker color. If you saturate the color by 10%, you get **57, 90.739, 38.732**, and if you desaturate by 10%, it is **64, 67.144, 34.374**.

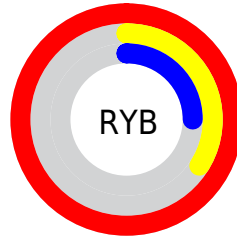
Distribution



Red (100%)

Green (33%)

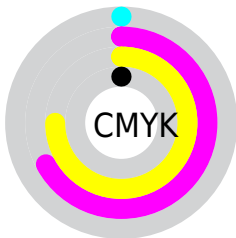
Blue (25%)



Red (100%)

Yellow (34%)

Blue (25%)

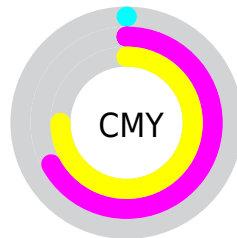


Cyan (0%)

Magenta (67%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (67%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 79.667, 36.486 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, 79.667, 36.486 by changing the saturation by 10% instead.

 60, 79.667, 36.486

 60, 79.667, 36.486

 100, 79.667,
36.486

 50, 79.667, 36.486

 80, 79.667, 36.486

 40, 79.667, 36.486

 90, 79.667, 36.486

 30, 79.667, 36.486

 20, 79.667, 36.486

 10, 79.667, 36.486

 0, 79.667, 36.486

 60, 79.667, 36.486

 60, 79.667, 36.486

 57, 90.739, 38.732

 64, 67.144, 34.374

 55, 99.733, 40.384

 68, 55.035, 32.634

54, 103.043,
40.921

73, 43.367, 31.293

79, 32.351, 30.297

85, 22.082, 29.579

91, 12.583, 29.064

97, 3.828, 28.617

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, 79.667, 36.486



86, 42.096, 210.891

Rectangle

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



60, 79.667, 36.486



60, 79.667, 86.486



60, 79.667, 216.486



60, 79.667, 266.486

Sweetspot

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



60, 79.306, 36.488



86, 19.496, 29.426



63, 97.955, 331.519



44, 13.249, 29.583



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, 79.306, 36.488



56, 96.024, 39.762



78, 68.514, 74.721



50, 4.781, 28.848



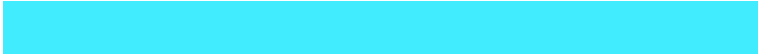
41, 82.694, 41.156



11, 31.476, 32.112

Inverse Universe

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



86, 42.096, 210.891



85, 44.231, 212.974



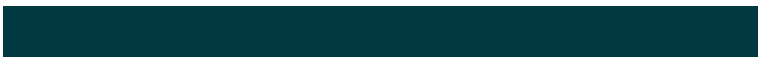
59, 65.246, 283.164



52, 4.493, 208.607



64, 35.923, 214.390



21, 16.689, 211.974

Previews

White Background



This preview shows how the CIELCh color 60, 79.667, 36.486 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, 79.667, 36.486 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, 79.667, 36.486

Background



This preview shows how black text looks on a background with the CIELCh color 60, 79.667, 36.486.

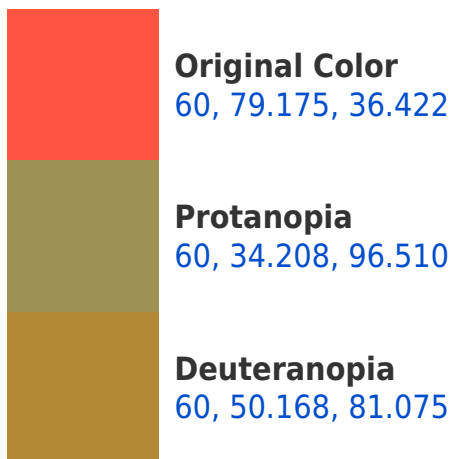


This preview shows how white text looks on a background with the CIELCh color 60, 79.667, 36.486.

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
60, 74.415, 28.483

Trichromacy



Original Color
60, 79.175, 36.422

Protanomaly
58, 42.701, 57.872

Deuteranomaly
59, 56.118, 57.670

Tritanomaly
60, 76.013, 31.748

Monochromacy



Original Color
60, 79.175, 36.422

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 27.423, 30.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 79.667, 36.486 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, 84, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 65)  
}
```

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, 84, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 79.667, 36.486 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, 84, 65) }
```

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

```
.border{ border-color:rgb(255, 84, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 79.667, 36.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 65) }
```

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

```
.background{ background-color: rgb(255, 84,  
65) }
```

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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