

Converting Colors

CIELCh(88, 60.442, 89.887)

Have a look what the booklet for
CIELCh(88, 60.442, 89.887) contains.

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Color

CIELCh(88, 60.311, 89.658)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFD966 |
| RGB | 255, 217, 102 |
| RGB Percent | 100%, 85%, 40% |
| CMY | 0.0000, 0.1478, 0.5989 |
| CMYK | 0.00, 0.15, 0.60, 0.00 |
| HSL | 45°, 100%, 70% |
| HSV | 45°, 60%, 100% |
| XYZ | 68.6610, 72.0653, 22.9359 |
| YIQ | 215.2520, 59.5630, -27.7090 |

Conversions

Conversions Part 2

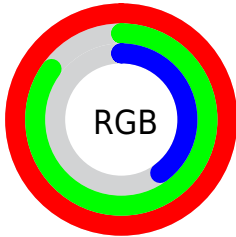
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 153, 255, 102 |
| Decimal | 16767334 |
| CIE Lab | 88.00, 0.36, 60.31 |
| CIE LCh | 88, 60.311, 89.658 |
| Yxy | 72.0653, 0.4195, 0.4403 |
| Android (android.graphics.Color) | 4294957414 (0xFFFFD966) |
| YUV | 215.2520, -55.8332, 34.8590 |
| Hunter-Lab | 84.8913, -4.1869, 43.4049 |

Details

The CIELCh color **88, 60.311, 89.658** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **61, 64.772, 288.878**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.271, 106.409**, and **68, 60.073, 89.461** is the 20% darker color. If you saturate the color by 10%, you get **86, 69.154, 88.379**, and if you desaturate by 10%, it is **90, 50.565, 91.145**.

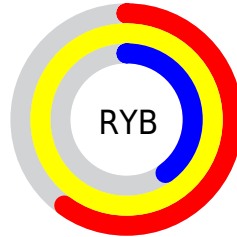
Distribution



Red (100%)

Green (85%)

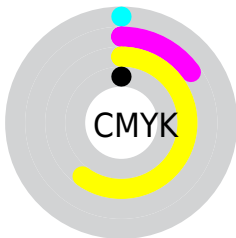
Blue (40%)



Red (60%)

Yellow (100%)

Blue (40%)

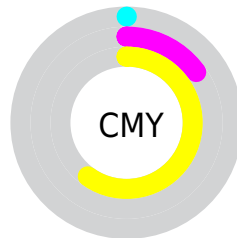


Cyan (0%)

Magenta (15%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 60.311, 89.658 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 88, 60.311, 89.658 by changing the saturation by 10% instead.

 88, 60.311, 89.658

 88, 60.311, 89.658

 100, 60.311,
89.658

 78, 60.311, 89.658

 68, 60.311, 89.658

 58, 60.311, 89.658

 48, 60.311, 89.658

 38, 60.311, 89.658

 28, 60.311, 89.658

 18, 60.311, 89.658

 8, 60.311, 89.658

 0, 60.311, 89.658

88, 60.311, 89.658

88, 60.311, 89.658

86, 69.154, 88.379

90, 50.565, 91.145

84, 76.535, 86.880

92, 40.475, 92.471

83, 81.537, 85.208

94, 30.252, 93.767

81, 83.769, 83.278

96, 20.035, 95.029

81, 83.789, 83.256

98, 9.898, 96.246

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.



88, 60.311, 89.658



61, 64.772, 288.878

Rectangle

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



88, 60.311, 89.658



88, 60.311, 139.658



88, 60.311, 269.658



88, 60.311, 319.658

Sweetspot

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



88, 60.269, 89.787



96, 18.115, 95.263



64, 61.935, 9.005



51, 12.608, 94.902



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 60.269, 89.787



86, 70.867, 88.072



95, 74.876, 116.408



52, 5.690, 96.292



63, 67.579, 83.648



21, 29.510, 86.081

Inverse Universe

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



61, 64.772, 288.878



53, 79.375, 292.537



54, 87.103, 305.300



50, 5.736, 278.654



29, 89.405, 300.806



7, 35.788, 296.011

Previews

White Background



This preview shows how the CIELCh color 88, 60.311, 89.658 looks on a white background.

Color Contrast Check

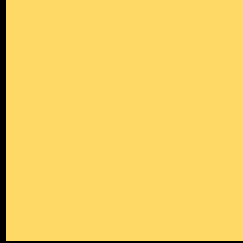
Large Text (above 18pt) WCAG AA × Fail

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 88, 60.311, 89.658 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 88, 60.311, 89.658

Background



This preview shows how black text looks on a background with the CIELCh color 88, 60.311, 89.658.



This preview shows how white text looks on a background with the CIELCh color 88, 60.311, 89.658.

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](#).

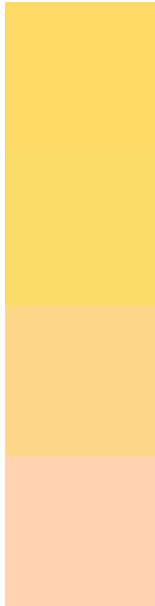
Dichromacy





Tritanopia
88, 17.839, 2.137

Trichromacy



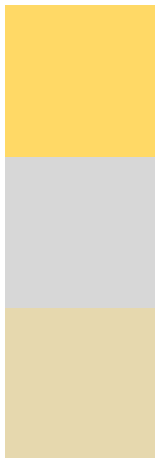
Original Color
88, 60.311, 89.658

Protanomaly
88, 60.071, 93.383

Deuteranomaly
88, 43.282, 84.299

Tritanomaly
88, 25.110, 66.130

Monochromacy



Original Color
88, 60.311, 89.658

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 22.543, 94.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 60.311, 89.658 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, 217, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 102)  
}
```

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, 217, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 60.311, 89.658 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, 217, 102) }
```

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

```
.border{ border-color:rgb(255, 217, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 60.311, 89.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 102) }
```

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

```
.background{ background-color: rgb(255,  
217, 102) }
```

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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