

Converting Colors

CIELCh(90, 61.869, 82.024)

Have a look what the booklet for
CIELCh(90, 61.869, 82.024) contains.

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Color

CIELCh(88, 58.833, 89.878)

Conversions

Conversions Part 1

Format	Color
Hex	FED96A
RGB	254, 217, 106
RGB Percent	100%, 85%, 42%
CMY	0.0022, 0.1471, 0.5862
CMYK	0.00, 0.15, 0.59, 0.00
HSL	45°, 99%, 71%
HSV	45°, 59%, 100%
XYZ	68.5533, 72.0653, 23.8006
YIQ	215.4090, 57.6830, -26.6770

Conversions

Conversions Part 2

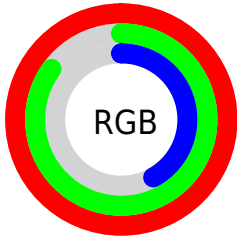
Format	Color
RYB	155, 254, 106
Decimal	16701802
CIELab	88.00, 0.13, 58.83
CIElCh	88, 58.833, 89.878
Yxy	72.0653, 0.4169, 0.4383
Android (android.graphics.Color)	4294891882 (0xFF FED96A)
YUV	215.4090, -53.9386, 33.8443
Hunter-Lab	84.8913, -4.4134, 42.8010

Details

The CIELCh color **88, 58.833, 89.878** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **61, 62.950, 288.420**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 47.360, 106.557**, and **68, 58.449, 89.701** is the 20% darker color. If you saturate the color by 10%, you get **86, 67.848, 88.479**, and if you desaturate by 10%, it is **90, 49.077, 91.237**.

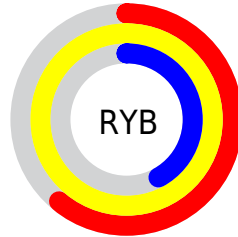
Distribution



Red (100%)

Green (85%)

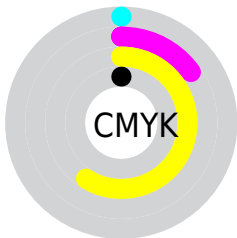
Blue (42%)



Red (61%)

Yellow (100%)

Blue (42%)

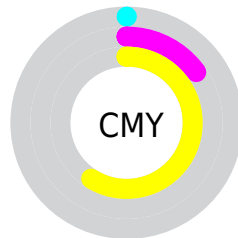


Cyan (0%)

Magenta (15%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 58.833, 89.878 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, 58.833, 89.878 by changing the saturation by 10% instead.

 88, 58.833, 89.878

 88, 58.833, 89.878

 100, 58.833,
89.878

 78, 58.833, 89.878

 68, 58.833, 89.878

 58, 58.833, 89.878

 48, 58.833, 89.878

 38, 58.833, 89.878

 28, 58.833, 89.878

 18, 58.833, 89.878

 8, 58.833, 89.878

 0, 58.833, 89.878

88, 58.833, 89.878

88, 58.833, 89.878

86, 67.848, 88.479

90, 49.077, 91.237

84, 75.475, 86.993

92, 38.981, 92.561

83, 80.850, 85.345

94, 28.780, 93.854

81, 83.362, 83.433

96, 18.599, 95.112

81, 83.620, 83.141

98, 8.505, 96.322

100, 0.191,
202.858

Harmonies

Complementary

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



88, 58.833, 89.878



61, 62.950, 288.420

Rectangle

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



88, 58.833, 89.878



88, 58.833, 139.878



88, 58.833, 269.878



88, 58.833, 319.878

Sweetspot

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



88, 58.833, 89.881



96, 18.092, 95.177



64, 60.495, 8.629



51, 12.593, 94.816



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, 58.833, 89.881



86, 69.195, 88.266



95, 73.298, 116.457



52, 5.683, 96.207



63, 67.552, 83.533



21, 29.486, 85.975

Inverse Universe

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



61, 62.950, 288.420



54, 76.794, 291.837



55, 84.886, 305.151



50, 5.728, 278.571



29, 89.262, 300.756



7, 35.735, 295.961

Previews

White Background



This preview shows how the CIELCh color 88, 58.833, 89.878 looks on a white background.

Color Contrast Check

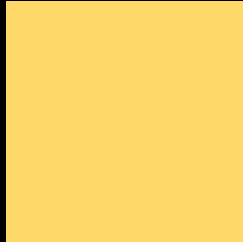
Large Text (above 18pt) WCAG AA × Fail

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, 58.833, 89.878 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, 58.833, 89.878

Background



This preview shows how black text looks on a background with the CIELCh color 88, 58.833, 89.878.



This preview shows how white text looks on a background with the CIELCh color 88, 58.833, 89.878.

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


88, 58.422, 89.778

Protanopia

88, 58.172, 95.721

Deuteranopia

88, 32.802, 77.499



Tritanopia
88, 17.985, 0.553

Trichromacy



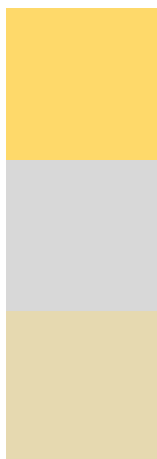
Original Color
88, 58.422, 89.778

Protanomaly
88, 58.644, 93.657

Deuteranomaly
88, 42.343, 83.911

Tritanomaly
88, 24.314, 64.638

Monochromacy



Original Color
88, 58.422, 89.778

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 21.924, 95.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 58.833, 89.878 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(254, 217, 106)` looks like.

```
.text, #text, p{  
    color:rgb(254, 217, 106)  
}
```

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(254, 217, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 217, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 58.833, 89.878 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(254, 217, 106) }
```

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

```
.border{ border-color:rgb(254, 217, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 217, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 217, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 217, 106);  
box-shadow:4px 4px 4px 4px rgb(254, 217,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 58.833, 89.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 217, 106) }
```

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

```
.background{ background-color: rgb(254,  
217, 106) }
```

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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