

Converting Colors

CIELCh(88, 48.700, 86.718)

Have a look what the booklet for
CIELCh(88, 48.700, 86.718) contains.

CIELCh(88, 48.700, 86.718)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(88, 48.700, 86.718)

Conversions

Conversions Part 1

Format	Color
Hex	FFD87F
RGB	255, 216, 127
RGB Percent	100%, 85%, 50%
CMY	0.0000, 0.1521, 0.5011
CMYK	0.00, 0.15, 0.50, 0.00
HSL	42°, 100%, 75%
HSV	42°, 50%, 100%
XYZ	69.7819, 72.0653, 30.3808
YIQ	217.5150, 51.8130, -19.4110

Conversions

Conversions Part 2

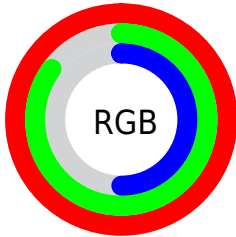
Format	Color
RYB	183, 255, 127
Decimal	16767103
CIELab	88.00, 2.79, 48.62
CIElCh	88, 48.700, 86.718
Yxy	72.0653, 0.4052, 0.4184
Android (android.graphics.Color)	4294957183 (0xFFFFD87F)
YUV	217.5150, -44.6239, 32.8743
Hunter-Lab	84.8913, -1.8300, 38.2052

Details

The CIELCh color **88, 48.700, 86.718** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **69, 49.461, 282.605**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 37.154, 107.345**, and **68, 48.726, 86.414** is the 20% darker color. If you saturate the color by 10%, you get **86, 58.252, 85.381**, and if you desaturate by 10%, it is **90, 38.826, 88.228**.

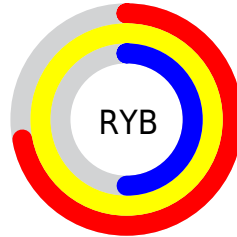
Distribution



Red (100%)

Green (85%)

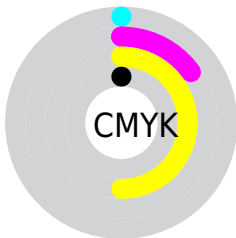
Blue (50%)



Red (72%)

Yellow (100%)

Blue (50%)

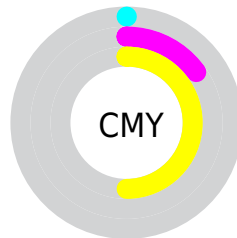


Cyan (0%)

Magenta (15%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 48.700, 86.718 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, 48.700, 86.718 by changing the saturation by 10% instead.

 88, 48.700, 86.718

 88, 48.700, 86.718

 100, 48.700,
86.718

 78, 48.700, 86.718

 68, 48.700, 86.718

 58, 48.700, 86.718

 48, 48.700, 86.718

 38, 48.700, 86.718

 28, 48.700, 86.718

 18, 48.700, 86.718

 8, 48.700, 86.718

 0, 48.700, 86.718

88, 48.700, 86.718

88, 48.700, 86.718

86, 58.252, 85.381

90, 38.826, 88.228

84, 67.184, 83.851

93, 28.961, 89.585

82, 74.782, 82.172

95, 19.187, 90.901

80, 80.122, 80.215

97, 9.558, 92.167

78, 82.723, 77.895

100, 0.097, 90.694

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, 48.700, 86.718



69, 49.461, 282.605

Rectangle

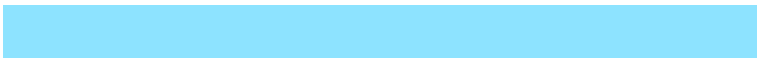
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 48.700, 86.718



88, 48.700, 136.718



88, 48.700, 266.718



88, 48.700, 316.718

Sweetspot

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



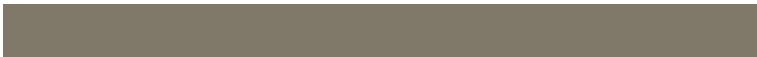
88, 48.664, 86.830



96, 14.241, 91.556



69, 52.657, 1.594



51, 9.735, 91.288



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, 48.664, 86.830



86, 58.145, 85.398



96, 63.317, 113.888



52, 5.369, 92.242



60, 66.678, 78.392



20, 28.526, 81.110

Inverse Universe

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



69, 49.461, 282.605



63, 59.931, 285.375



61, 72.035, 302.366



50, 5.384, 274.705



31, 82.696, 298.266



8, 33.192, 293.364

Previews

White Background



This preview shows how the CIELCh color 88, 48.700, 86.718 looks on a white background.

Color Contrast Check

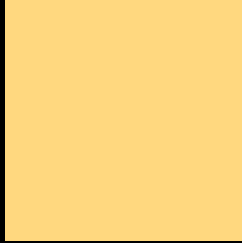
Large Text (above 18pt) WCAG AA × Fail

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, 48.700, 86.718 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, 48.700, 86.718

Background



This preview shows how black text looks on a background with the CIELCh color 88, 48.700, 86.718.



This preview shows how white text looks on a background with the CIELCh color 88, 48.700, 86.718.

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, 48.700, 86.718

Protanopia

88, 47.787, 95.723

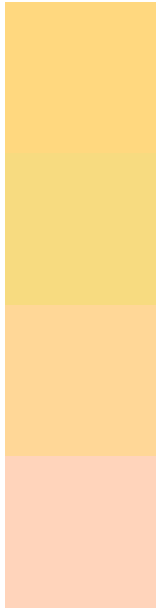
Deuteranopia

88, 30.989, 75.886



Tritanopia
88, 17.985, 0.553

Trichromacy



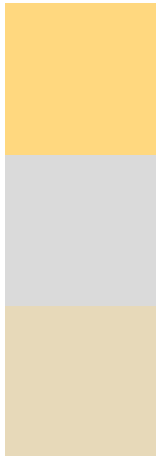
Original Color
88, 48.700, 86.718

Protanomaly
88, 48.062, 92.207

Deuteranomaly
88, 37.186, 81.332

Tritanomaly
88, 21.340, 57.525

Monochromacy



Original Color
88, 48.700, 86.718

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 17.511, 90.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 48.700, 86.718 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, 216, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 127)  
}
```

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, 216, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 48.700, 86.718 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, 216, 127) }
```

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

```
.border{ border-color:rgb(255, 216, 127) }
```

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

Here you see how a box with a 4 pixel rgb(255, 216, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 48.700, 86.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 127) }
```

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

```
.background{ background-color: rgb(255,  
216, 127) }
```

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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