

Converting Colors

CIELCh(86, 46.182, 91.671)

Have a look what the booklet for
CIELCh(86, 46.182, 91.671) contains.

CIELCh(86, 45.883, 91.598)	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(86, 45.883, 91.598)

Conversions

Conversions Part 1

Format	Color
Hex	F1D57F
RGB	241, 213, 127
RGB Percent	95%, 84%, 50%
CMY	0.0539, 0.1638, 0.5011
CMYK	0.00, 0.12, 0.47, 0.05
HSL	45°, 81%, 72%
HSV	45°, 47%, 95%
XYZ	64.0572, 67.9871, 29.8999
YIQ	211.5680, 44.2940, -20.8100

Conversions

Conversions Part 2

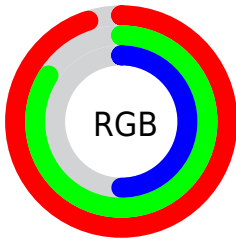
Format	Color
RYB	164, 241, 127
Decimal	15848831
CIELab	86.00, -1.28, 45.87
CIELCh	86, 45.883, 91.598
Yxy	67.9871, 0.3956, 0.4198
Android (android.graphics.Color)	4294038911 (0xFFFF1D57F)
YUV	211.5680, -41.6920, 25.8119
Hunter-Lab	82.4543, -5.6218, 36.2181

Details

The CIELCh color **86, 45.883, 91.598** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **65, 48.004, 285.599**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 37.154, 107.345**, and **66, 45.818, 91.768** is the 20% darker color. If you saturate the color by 10%, you get **84, 55.301, 90.259**, and if you desaturate by 10%, it is **88, 36.178, 92.914**.

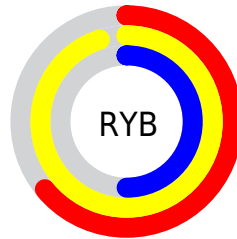
Distribution



Red (95%)

Green (84%)

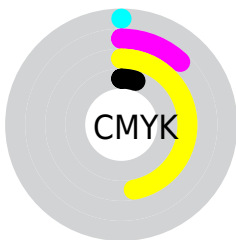
Blue (50%)



Red (64%)

Yellow (95%)

Blue (50%)

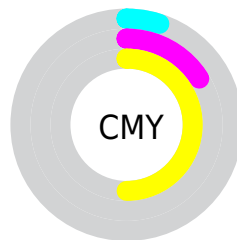


Cyan (0%)

Magenta (12%)

Yellow (47%)

Black (5%)



Cyan (5%)

Magenta (16%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 45.883, 91.598 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 86, 45.883, 91.598 by changing the saturation by 10% instead.

86, 45.883, 91.598

86, 45.883, 91.598

100, 45.883,
91.598

76, 45.883, 91.598

66, 45.883, 91.598

56, 45.883, 91.598

46, 45.883, 91.598

36, 45.883, 91.598

26, 45.883, 91.598

16, 45.883, 91.598

6, 45.883, 91.598

0, 45.883, 91.598

86, 45.883, 91.598

86, 45.883, 91.598

84, 55.301, 90.259

88, 36.178, 92.914

83, 64.070, 88.875

90, 26.387, 94.196

81, 71.612, 87.416

92, 16.624, 95.443

79, 77.125, 85.816

94, 6.948, 96.638

78, 79.902, 83.968

96, 2.613, 277.919

77, 80.394, 83.437

97, 4.070, 250.737

99, 4.642, 201.031

99, 4.739, 199.245

Harmonies

Complementary

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



86, 45.883, 91.598



65, 48.004, 285.599

Rectangle

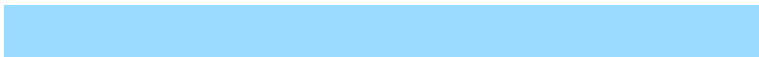
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 45.883, 91.598



86, 45.883, 141.598



86, 45.883, 271.598



86, 45.883, 321.598

Sweetspot

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



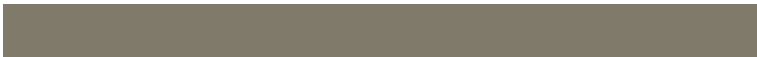
86, 45.884, 91.602



97, 14.073, 95.835



67, 46.849, 5.914



51, 9.728, 95.572



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



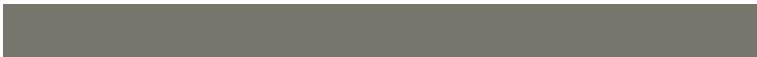
86, 45.884, 91.602



89, 57.580, 90.272



91, 57.936, 116.984



49, 5.415, 96.381



60, 65.597, 83.823



18, 26.019, 86.515

Inverse Universe

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



65, 48.004, 285.599



62, 61.473, 288.143



60, 64.747, 303.904



47, 5.459, 278.725



28, 86.628, 300.769



5, 31.246, 293.553

Previews

White Background



This preview shows how the CIELCh color 86, 45.883, 91.598 looks on a white background.

Color Contrast Check

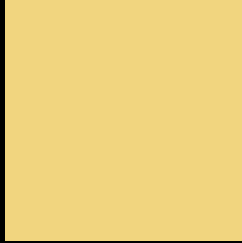
Large Text (above 18pt) WCAG AA × Fail

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 86, 45.883, 91.598 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 86, 45.883, 91.598

Background



This preview shows how black text looks on a background with the CIELCh color 86, 45.883, 91.598.



This preview shows how white text looks on a background with the CIELCh color 86, 45.883, 91.598.

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

86, 45.883, 91.598

Protanopia

86, 45.578, 95.291

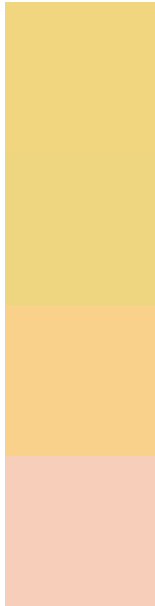
Deuteranopia

86, 38.258, 76.225



Tritanopia
86, 19.491, 355.616

Trichromacy



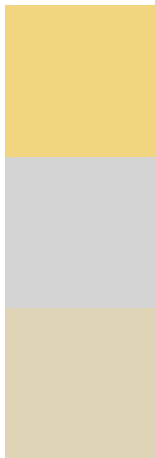
Original Color
86, 45.883, 91.598

Protanomaly
86, 45.412, 93.656

Deuteranomaly
86, 40.401, 82.167

Tritanomaly
86, 19.481, 54.371

Monochromacy



Original Color
86, 45.883, 91.598

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 16.756, 94.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 45.883, 91.598 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(241, 213, 127)` looks like.

```
.text, #text, p{  
    color:rgb(241, 213, 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(241, 213, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 213, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 45.883, 91.598 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(241, 213, 127) }
```

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

```
.border{ border-color:rgb(241, 213, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 213, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 213, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 213, 127);  
box-shadow:4px 4px 4px 4px rgb(241, 213,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 45.883, 91.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 213, 127) }
```

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

```
.background{ background-color: rgb(241,  
213, 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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