

Converting Colors

CIELCh(86, 50.929, 84.757)

Have a look what the booklet for
CIELCh(86, 50.929, 84.757) contains.

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Color

CIELCh(86, 50.715, 84.546)

Conversions

Conversions Part 1

Format	Color
Hex	FDD176
RGB	253, 209, 118
RGB Percent	99%, 82%, 46%
CMY	0.0067, 0.1793, 0.5362
CMYK	0.00, 0.17, 0.53, 0.01
HSL	40°, 98%, 73%
HSV	40°, 53%, 99%
XYZ	66.7685, 67.9871, 26.8238
YIQ	211.7820, 55.4350, -18.9730

Conversions

Conversions Part 2

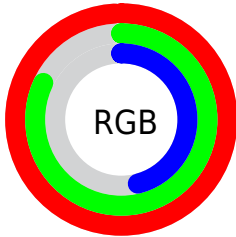
Format	Color
RYB	183, 253, 118
Decimal	16634230
CIELab	86.00, 4.82, 50.49
CIElCh	86, 50.715, 84.546
Yxy	67.9871, 0.4132, 0.4208
Android (android.graphics.Color)	4294824310 (0xFFFDD176)
YUV	211.7820, -46.2345, 36.1482
Hunter-Lab	82.4543, 0.2479, 38.4300

Details

The CIELCh color **86, 50.715, 84.546** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 50.900, 281.866**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 41.560, 107.005**, and **66, 50.970, 84.557** is the 20% darker color. If you saturate the color by 10%, you get **84, 60.100, 83.053**, and if you desaturate by 10%, it is **88, 41.040, 85.983**.

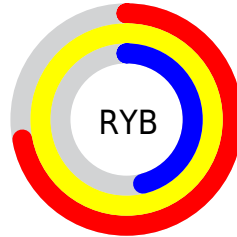
Distribution



Red (99%)

Green (82%)

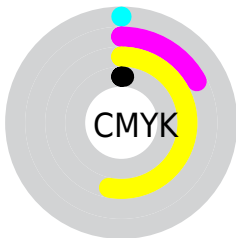
Blue (46%)



Red (72%)

Yellow (99%)

Blue (46%)

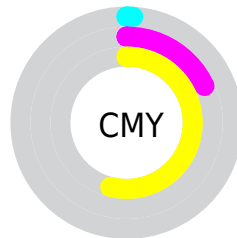


Cyan (0%)

Magenta (17%)

Yellow (53%)

Black (1%)



Cyan (1%)

Magenta (18%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 50.715, 84.546 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, 50.715, 84.546 by changing the saturation by 10% instead.

 86, 50.715, 84.546

 86, 50.715, 84.546

 100, 50.715,
84.546

 76, 50.715, 84.546

 66, 50.715, 84.546

 56, 50.715, 84.546

 46, 50.715, 84.546

 36, 50.715, 84.546

 26, 50.715, 84.546

 16, 50.715, 84.546

 6, 50.715, 84.546

 0, 50.715, 84.546

86, 50.715, 84.546

86, 50.715, 84.546

84, 60.100, 83.053

88, 41.040, 85.983

82, 68.727, 81.447

91, 31.332, 87.370

79, 75.835, 79.634

93, 21.723, 88.716

77, 80.456, 77.445

96, 12.275, 90.015

76, 82.122, 75.740

99, 3.014, 91.208

100, 0.592,
200.486

Harmonies

Complementary

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



86, 50.715, 84.546



67, 50.900, 281.866

Rectangle

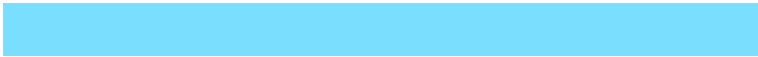
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 50.715, 84.546



86, 50.715, 134.546



86, 50.715, 264.546



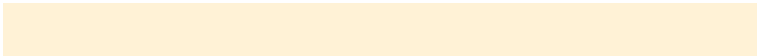
86, 50.715, 314.546

Sweetspot

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



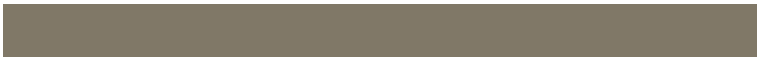
86, 50.715, 84.550



96, 14.879, 89.671



67, 55.822, 1.053



51, 10.067, 89.404



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, 50.715, 84.550



84, 61.055, 82.943



95, 66.453, 112.952



52, 5.249, 90.492



59, 66.507, 76.265



19, 28.195, 79.028

Inverse Universe

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



67, 50.900, 281.866



61, 62.160, 285.065



58, 76.586, 302.351



50, 5.252, 272.992



32, 79.908, 297.094



8, 32.059, 292.022

Previews

White Background



This preview shows how the CIELCh color 86, 50.715, 84.546 looks on a white background.

Color Contrast Check

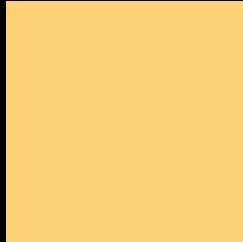
Large Text (above 18pt) WCAG AA × Fail

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, 50.715, 84.546 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, 50.715, 84.546

Background



This preview shows how black text looks on a background with the CIELCh color 86, 50.715, 84.546.



This preview shows how white text looks on a background with the CIELCh color 86, 50.715, 84.546.

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, 50.715, 84.546

Protanopia

86, 49.494, 95.260

Deuteranopia

86, 39.165, 76.853



Tritanopia
86, 21.098, 2.404

Trichromacy



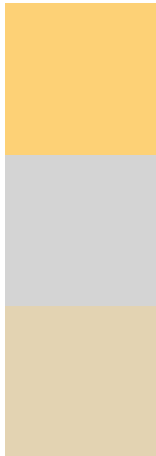
Original Color
86, 50.715, 84.546

Protanomaly
86, 49.913, 91.363

Deuteranomaly
86, 43.283, 80.522

Tritanomaly
86, 23.849, 53.464

Monochromacy



Original Color
86, 50.715, 84.546

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 18.360, 88.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 50.715, 84.546 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(253, 209, 118)` looks like.

```
.text, #text, p{  
    color:rgb(253, 209, 118)  
}
```

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(253, 209, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 209, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 50.715, 84.546 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(253, 209, 118) }
```

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

```
.border{ border-color:rgb(253, 209, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 209, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 209, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 209, 118);  
box-shadow:4px 4px 4px 4px rgb(253, 209,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 50.715, 84.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 209, 118) }
```

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

```
.background{ background-color: rgb(253,  
209, 118) }
```

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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