

Converting Colors

CIELCh(86, 59.926, 85.932)

Have a look what the booklet for
CIELCh(86, 59.926, 85.932) contains.

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Color

CIELCh(86, 59.988, 86.001)

Conversions

Conversions Part 1

Format	Color
Hex	FFD162
RGB	255, 209, 98
RGB Percent	100%, 82%, 38%
CMY	0.0000, 0.1790, 0.6144
CMYK	0.00, 0.18, 0.61, 0.00
HSL	43°, 100%, 69%
HSV	43°, 61%, 100%
XYZ	66.4820, 67.9871, 21.2554
YIQ	210.1000, 63.0470, -24.7690

Conversions

Conversions Part 2

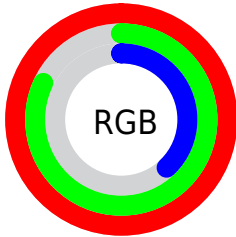
Format	Color
RYB	163, 255, 98
Decimal	16765282
CIELab	86.00, 4.18, 59.84
CIElCh	86, 59.988, 86.001
Yxy	67.9871, 0.4269, 0.4366
Android (android.graphics.Color)	4294955362 (0xFFFFD162)
YUV	210.1000, -55.2653, 39.3773
Hunter-Lab	82.4543, -0.3725, 42.4340

Details

The CIELCh color **86, 59.988, 86.001** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **61, 62.555, 286.598**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 51.169, 106.263**, and **66, 59.945, 86.012** is the 20% darker color. If you saturate the color by 10%, you get **84, 68.701, 84.626**, and if you desaturate by 10%, it is **88, 50.387, 87.588**.

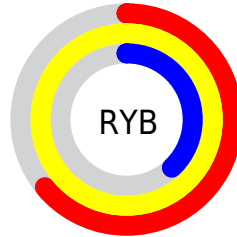
Distribution



Red (100%)

Green (82%)

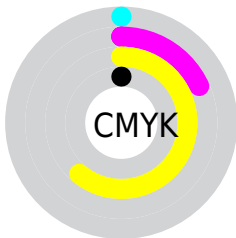
Blue (38%)



Red (64%)

Yellow (100%)

Blue (38%)

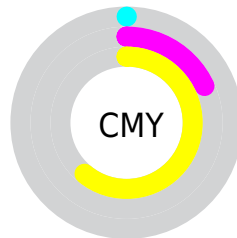


Cyan (0%)

Magenta (18%)

Yellow (61%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 59.988, 86.001 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, 59.988, 86.001 by changing the saturation by 10% instead.

 86, 59.988, 86.001

 86, 59.988, 86.001

 100, 59.988,
86.001

 76, 59.988, 86.001

 66, 59.988, 86.001

 56, 59.988, 86.001

 46, 59.988, 86.001

 36, 59.988, 86.001

 26, 59.988, 86.001

 16, 59.988, 86.001

 6, 59.988, 86.001

 0, 59.988, 86.001

86, 59.988, 86.001

86, 59.988, 86.001

84, 68.701, 84.626

88, 50.387, 87.588

82, 75.987, 82.954

90, 40.523, 88.979

80, 80.857, 81.006

93, 30.585, 90.330

79, 82.877, 79.047

95, 20.707, 91.642

97, 10.955, 92.906

100, 1.357, 93.972

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.



86, 59.988, 86.001



61, 62.555, 286.598

Rectangle

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



86, 59.988, 86.001



86, 59.988, 136.001



86, 59.988, 266.001



86, 59.988, 316.001

Sweetspot

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



86, 59.928, 86.147



96, 17.337, 92.083



63, 63.609, 5.572



50, 12.076, 91.710



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, 59.928, 86.147



83, 70.743, 84.216



95, 75.869, 114.090



52, 5.435, 93.143



60, 66.814, 79.522



20, 28.718, 82.199

Inverse Universe

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



61, 62.555, 286.598



54, 76.670, 290.621



53, 89.579, 304.271



50, 5.457, 275.586



31, 84.163, 298.854



7, 33.775, 294.006

Previews

White Background



This preview shows how the CIELCh color 86, 59.988, 86.001 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, 59.988, 86.001 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, 59.988, 86.001

Background



This preview shows how black text looks on a background with the CIELCh color 86, 59.988, 86.001.

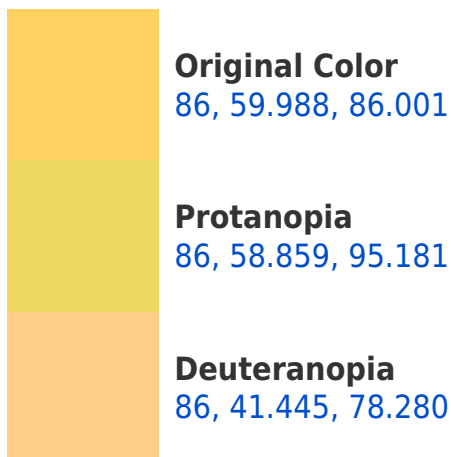


This preview shows how white text looks on a background with the CIELCh color 86, 59.988, 86.001.

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
86, 20.972, 3.772

Trichromacy



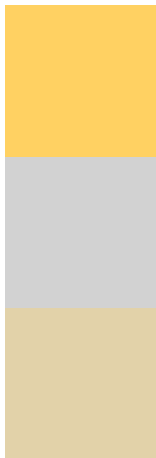
Original Color
86, 59.988, 86.001

Protanomaly
86, 59.260, 91.843

Deuteranomaly
86, 48.089, 82.067

Tritanomaly
86, 26.966, 59.781

Monochromacy



Original Color
86, 59.988, 86.001

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 22.371, 91.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 59.988, 86.001 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, 209, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 98)  
}
```

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, 209, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 59.988, 86.001 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, 209, 98) }
```

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

```
.border{ border-color:rgb(255, 209, 98) }
```

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

Here you see how a box with a 4 pixel rgb(255, 209, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 59.988, 86.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 98) }
```

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

```
.background{ background-color: rgb(255,  
209, 98) }
```

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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