

Converting Colors

CIELCh(86, 52.602, 83.513)

Have a look what the booklet for
CIELCh(86, 52.602, 83.513) contains.

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Color

CIELCh(86, 52.200, 83.504)

Conversions

Conversions Part 1

Format	Color
Hex	FFD174
RGB	255, 209, 116
RGB Percent	100%, 82%, 45%
CMY	0.0000, 0.1822, 0.5471
CMYK	0.00, 0.18, 0.55, 0.00
HSL	40°, 100%, 73%
HSV	40°, 55%, 100%
XYZ	67.2588, 67.9871, 25.9481
YIQ	212.1520, 57.2690, -19.1710

Conversions

Conversions Part 2

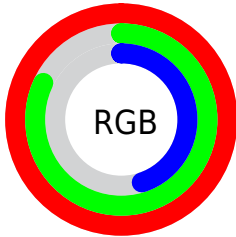
Format	Color
RYB	185, 255, 116
Decimal	16765300
CIELab	86.00, 5.91, 51.86
CIElCh	86, 52.200, 83.504
Yxy	67.9871, 0.4173, 0.4218
Android (android.graphics.Color)	4294955380 (0xFFFFD174)
YUV	212.1520, -47.4029, 37.5777
Hunter-Lab	82.4543, 1.3093, 39.0596

Details

The CIELCh color **86, 52.200, 83.504** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 52.066, 281.744**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 42.533, 106.929**, and **66, 52.025, 84.319** is the 20% darker color. If you saturate the color by 10%, you get **84, 61.466, 82.235**, and if you desaturate by 10%, it is **88, 42.406, 85.198**.

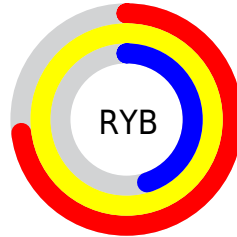
Distribution



Red (100%)

Green (82%)

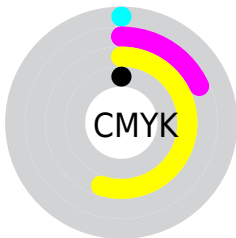
Blue (45%)



Red (73%)

Yellow (100%)

Blue (45%)

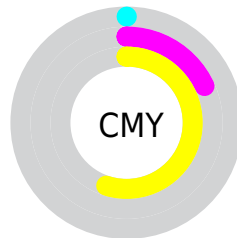


Cyan (0%)

Magenta (18%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 52.200, 83.504 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, 52.200, 83.504 by changing the saturation by 10% instead.

 86, 52.200, 83.504

 86, 52.200, 83.504

 100, 52.200,
83.504

 76, 52.200, 83.504

 66, 52.200, 83.504

 56, 52.200, 83.504

 46, 52.200, 83.504

 36, 52.200, 83.504

 26, 52.200, 83.504

 16, 52.200, 83.504

 6, 52.200, 83.504

 0, 52.200, 83.504

86, 52.200, 83.504

86, 52.200, 83.504

84, 61.466, 82.235

88, 42.406, 85.198

81, 70.008, 80.595

91, 32.670, 86.597

79, 76.916, 78.721

93, 23.033, 87.953

77, 81.209, 76.427

96, 13.563, 89.264

76, 82.511, 75.043

99, 4.286, 90.493

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, 52.200, 83.504



67, 52.066, 281.744

Rectangle

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



86, 52.200, 83.504



86, 52.200, 133.504



86, 52.200, 263.504



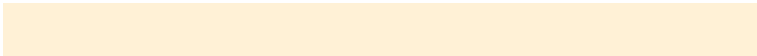
86, 52.200, 313.504

Sweetspot

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



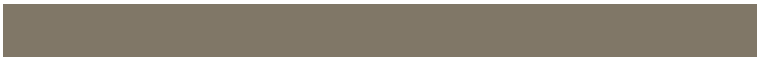
86, 52.097, 83.751



96, 14.778, 89.097



67, 57.510, 1.368



50, 10.000, 88.830



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, 52.097, 83.751



83, 62.632, 82.031



96, 68.362, 112.873



52, 5.212, 89.921



58, 66.476, 75.590



19, 28.098, 78.358

Inverse Universe

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



67, 52.066, 281.744



61, 63.568, 285.209



57, 79.183, 302.549



50, 5.211, 272.431



33, 79.016, 296.703



8, 31.696, 291.568

Previews

White Background



This preview shows how the CIELCh color 86, 52.200, 83.504 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, 52.200, 83.504 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, 52.200, 83.504

Background



This preview shows how black text looks on a background with the CIELCh color 86, 52.200, 83.504.

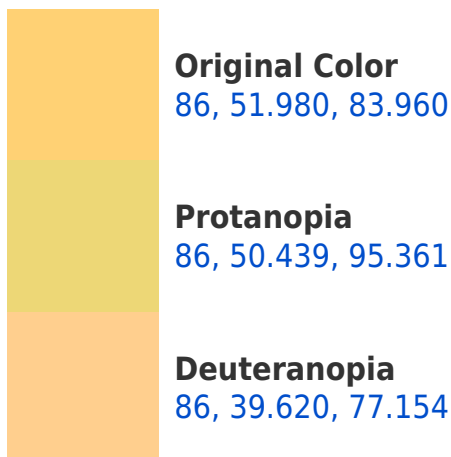


This preview shows how white text looks on a background with the CIELCh color 86, 52.200, 83.504.

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](#).

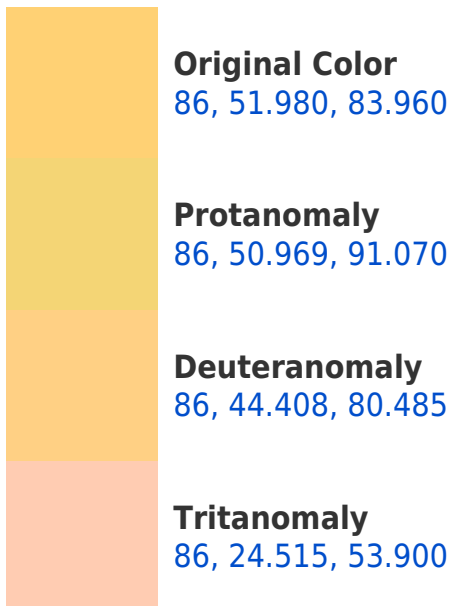
Dichromacy



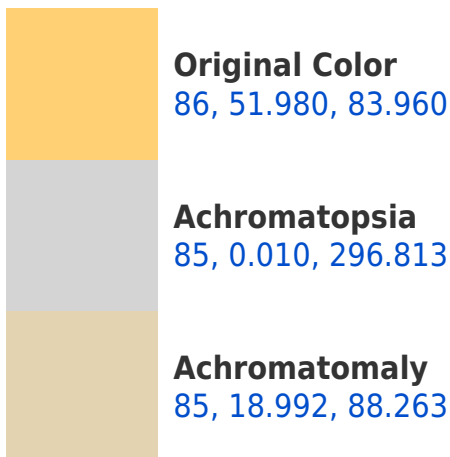


Tritanopia
86, 20.972, 3.772

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 52.200, 83.504 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 52.200, 83.504 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, 116) }
```

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

```
.border{ border-color:rgb(255, 209, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 52.200, 83.504 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, 116) }
```

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

```
.background{ background-color: rgb(255,  
209, 116) }
```

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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