

Converting Colors

CIELCh(86, 58.170, 85.452)

Have a look what the booklet for
CIELCh(86, 58.170, 85.452) contains.

CIELCh(86, 58.246, 85.621)	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, 58.246, 85.621)

Conversions

Conversions Part 1

Format	Color
Hex	FFD166
RGB	255, 209, 102
RGB Percent	100%, 82%, 40%
CMY	0.0000, 0.1795, 0.5991
CMYK	0.00, 0.18, 0.60, 0.00
HSL	42°, 100%, 70%
HSV	42°, 60%, 100%
XYZ	66.6006, 67.9871, 22.2409
YIQ	210.5560, 61.7630, -23.5250

Conversions

Conversions Part 2

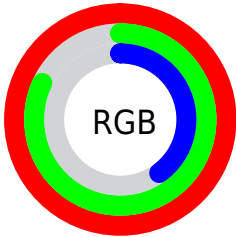
Format	Color
RYB	168, 255, 102
Decimal	16765286
CIELab	86.00, 4.45, 58.08
CIELCh	86, 58.246, 85.621
Yxy	67.9871, 0.4247, 0.4335
Android (android.graphics.Color)	4294955366 (0xFFFFD166)
YUV	210.5560, -53.5181, 38.9774
Hunter-Lab	82.4543, -0.1157, 41.7254

Details

The CIELCh color **86, 58.246, 85.621** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **63, 60.171, 285.609**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.271, 106.409**, and **66, 58.123, 85.681** is the 20% darker color. If you saturate the color by 10%, you get **84, 67.147, 84.203**, and if you desaturate by 10%, it is **88, 48.603, 87.167**.

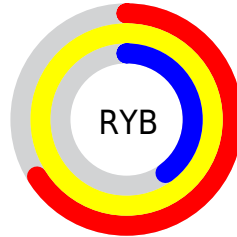
Distribution



Red (100%)

Green (82%)

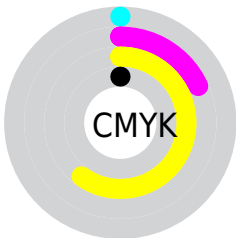
Blue (40%)



Red (66%)

Yellow (100%)

Blue (40%)

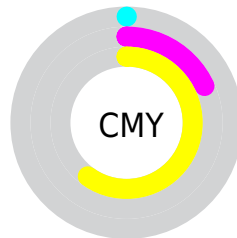


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 58.246, 85.621 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, 58.246, 85.621 by changing the saturation by 10% instead.

 86, 58.246, 85.621

 86, 58.246, 85.621

 100, 58.246,
85.621

 76, 58.246, 85.621

 66, 58.246, 85.621

 56, 58.246, 85.621

 46, 58.246, 85.621

 36, 58.246, 85.621

 26, 58.246, 85.621

 16, 58.246, 85.621

 6, 58.246, 85.621

 0, 58.246, 85.621

86, 58.246, 85.621

86, 58.246, 85.621

84, 67.147, 84.203

88, 48.603, 87.167

82, 74.761, 82.538

90, 38.747, 88.560

80, 80.123, 80.606

93, 28.861, 89.913

78, 82.749, 78.289

95, 19.060, 91.225

78, 82.769, 78.269

98, 9.401, 92.486

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, 58.246, 85.621



63, 60.171, 285.609

Rectangle

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



86, 58.246, 85.621



86, 58.246, 135.621



86, 58.246, 265.621



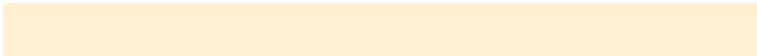
86, 58.246, 315.621

Sweetspot

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



86, 58.205, 85.724



96, 17.201, 91.471



64, 62.179, 5.157



50, 11.983, 91.096



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, 58.205, 85.724



83, 68.875, 83.870



95, 74.286, 114.151



52, 5.390, 92.536



60, 66.719, 78.758



20, 28.587, 81.465

Inverse Universe

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



63, 60.171, 285.609



56, 73.490, 289.445



54, 87.229, 304.075



50, 5.407, 274.993



31, 83.173, 298.460



8, 33.383, 293.577

Previews

White Background



This preview shows how the CIELCh color 86, 58.246, 85.621 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, 58.246, 85.621 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, 58.246, 85.621

Background



This preview shows how black text looks on a background with the CIELCh color 86, 58.246, 85.621.

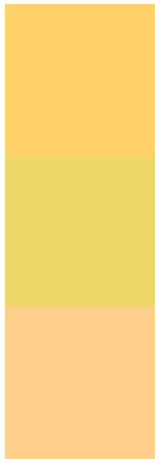


This preview shows how white text looks on a background with the CIELCh color 86, 58.246, 85.621.

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, 58.246, 85.621

Protanopia

86, 56.988, 95.471

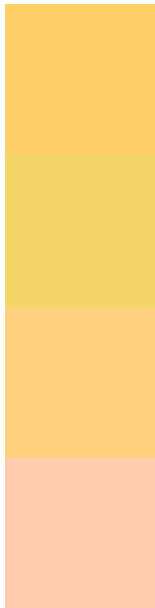
Deuteranopia

86, 40.988, 78.010



Tritanopia
86, 20.972, 3.772

Trichromacy



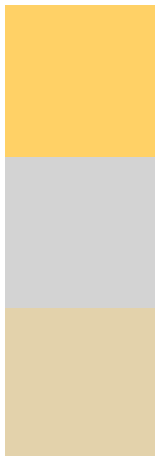
Original Color
86, 58.246, 85.621

Protanomaly
86, 57.374, 92.034

Deuteranomaly
86, 47.170, 81.701

Tritanomaly
86, 26.237, 58.221

Monochromacy



Original Color
86, 58.246, 85.621

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 21.491, 90.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 58.246, 85.621 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 58.246, 85.621 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, 102) }
```

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

```
.border{ border-color:rgb(255, 209, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 58.246, 85.621 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
209, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor