

Converting Colors

CIELCh(85, 67.677, 86.121)

Have a look what the booklet for
CIELCh(85, 67.677, 86.121) contains.

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Color

CIELCh(85, 67.556, 86.112)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE4E
RGB	255, 206, 78
RGB Percent	100%, 81%, 31%
CMY	0.0000, 0.1918, 0.6938
CMYK	0.00, 0.19, 0.69, 0.00
HSL	43°, 100%, 65%
HSV	43°, 69%, 100%
XYZ	64.7390, 66.0070, 16.5508
YIQ	206.0590, 70.2920, -29.4200

Conversions

Conversions Part 2

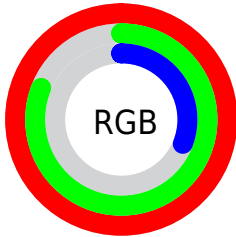
Format	Color
RYB	146, 255, 78
Decimal	16764494
CIELab	85.00, 4.58, 67.40
CIELCh	85, 67.556, 86.112
Yxy	66.0070, 0.4395, 0.4481
Android (android.graphics.Color)	4294954574 (0xFFFFCE4E)
YUV	206.0590, -63.1331, 42.9213
Hunter-Lab	81.2447, 0.0576, 44.7930

Details

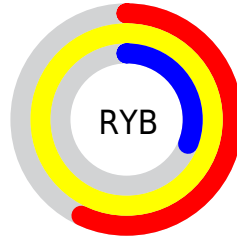
The CIELCh color **85, 67.556, 86.112** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **56, 72.999, 290.001**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 59.971, 105.587**, and **65, 67.569, 86.172** is the 20% darker color. If you saturate the color by 10%, you get **83, 75.137, 84.555**, and if you desaturate by 10%, it is **87, 58.582, 87.615**.

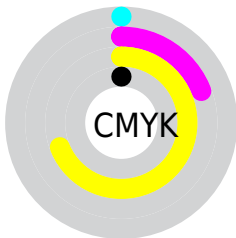
Distribution



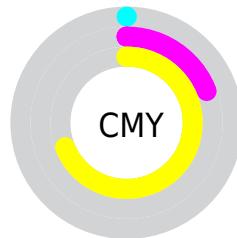
- Red (100%)
- Green (81%)
- Blue (31%)



- Red (57%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (19%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (19%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 67.556, 86.112 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 85, 67.556, 86.112 by changing the saturation by 10% instead.

 85, 67.556, 86.112

 85, 67.556, 86.112

 100, 67.556,
86.112

 75, 67.556, 86.112

 65, 67.556, 86.112

 55, 67.556, 86.112

 45, 67.556, 86.112

 35, 67.556, 86.112

 25, 67.556, 86.112

 15, 67.556, 86.112

 5, 67.556, 86.112

 0, 67.556, 86.112

85, 67.556, 86.112

85, 67.556, 86.112

83, 75.137, 84.555

87, 58.582, 87.615

81, 80.470, 82.746

89, 48.918, 89.022

80, 83.000, 80.603

91, 38.958, 90.387

79, 83.124, 80.467

93, 28.931, 91.715

95, 18.959, 93.005

98, 9.103, 94.245

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.



85, 67.556, 86.112



56, 72.999, 290.001

Rectangle

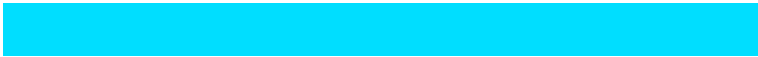
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 67.556, 86.112



85, 67.556, 136.112



85, 67.556, 266.112



85, 67.556, 316.112

Sweetspot

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



85, 67.543, 86.144



95, 20.568, 92.799



60, 70.563, 9.326



50, 13.948, 92.445



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 67.543, 86.144



82, 77.378, 83.933



95, 83.736, 114.641



52, 5.518, 94.230



61, 67.024, 80.915



20, 28.969, 83.525

Inverse Universe

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



56, 72.999, 290.001



49, 89.010, 294.551



48, 101.411, 305.602



50, 5.548, 276.647



30, 85.954, 299.546



7, 34.474, 294.739

Previews

White Background



This preview shows how the CIELCh color 85, 67.556, 86.112 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 85, 67.556, 86.112 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 85, 67.556, 86.112

Background



This preview shows how black text looks on a background with the CIELCh color 85, 67.556, 86.112.

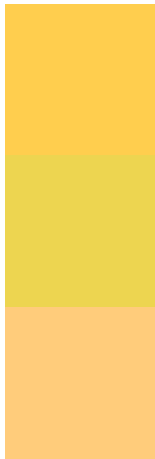


This preview shows how white text looks on a background with the CIELCh color 85, 67.556, 86.112.

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

85, 67.556, 86.112

Protanopia

85, 66.495, 95.516

Deuteranopia

85, 47.694, 79.590



Tritanopia
85, 22.506, 5.117

Trichromacy



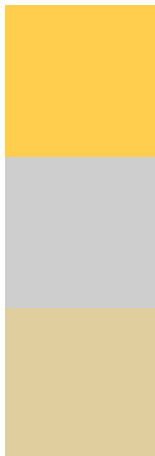
Original Color
85, 67.556, 86.112

Protanomaly
85, 66.668, 91.722

Deuteranomaly
85, 55.121, 82.858

Tritanomaly
85, 30.627, 61.799

Monochromacy



Original Color
85, 67.556, 86.112

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 25.705, 91.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 67.556, 86.112 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, 206, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 78)  
}
```

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, 206, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 67.556, 86.112 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, 206, 78) }
```

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

```
.border{ border-color:rgb(255, 206, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 67.556, 86.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 78) }
```

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

```
.background{ background-color: rgb(255,  
206, 78) }
```

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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