

Converting Colors

CIELCh(85, 67.987, 86.321)

Have a look what the booklet for
CIELCh(85, 67.987, 86.321) contains.

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Color

CIELCh(85, 67.944, 86.176)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE4D
RGB	255, 206, 77
RGB Percent	100%, 81%, 30%
CMY	0.0000, 0.1917, 0.6976
CMYK	0.00, 0.19, 0.70, 0.00
HSL	44°, 100%, 65%
HSV	44°, 70%, 100%
XYZ	64.7172, 66.0070, 16.3691
YIQ	205.9450, 70.6130, -29.7310

Conversions

Conversions Part 2

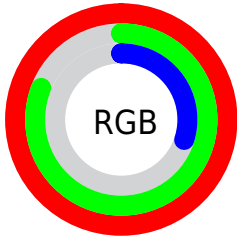
Format	Color
RYB	145, 255, 77
Decimal	16764493
CIELab	85.00, 4.53, 67.79
CIELCh	85, 67.944, 86.176
Yxy	66.0070, 0.4400, 0.4487
Android (android.graphics.Color)	4294954573 (0xFFFFCE4D)
YUV	205.9450, -63.5699, 43.0212
Hunter-Lab	81.2447, 0.0097, 44.9256

Details

The CIELCh color **85, 67.944, 86.176** 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, 73.619, 290.222**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 60.423, 105.553**, and **65, 67.837, 86.207** is the 20% darker color. If you saturate the color by 10%, you get **83, 75.445, 84.625**, and if you desaturate by 10%, it is **87, 59.007, 87.687**.

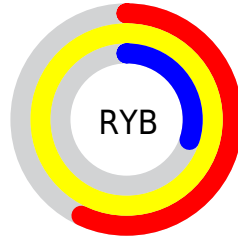
Distribution



Red (100%)

Green (81%)

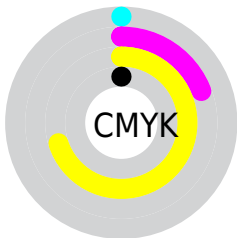
Blue (30%)



Red (57%)

Yellow (100%)

Blue (30%)

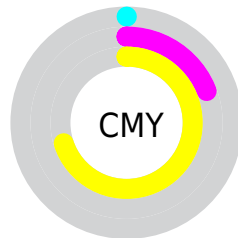


Cyan (0%)

Magenta (19%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 67.944, 86.176 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, 67.944, 86.176 by changing the saturation by 10% instead.

 85, 67.944, 86.176

 85, 67.944, 86.176

 100, 67.944,
86.176

 75, 67.944, 86.176

 65, 67.944, 86.176

 55, 67.944, 86.176

 45, 67.944, 86.176

 35, 67.944, 86.176

 25, 67.944, 86.176

 15, 67.944, 86.176

 5, 67.944, 86.176

 0, 67.944, 86.176

85, 67.944, 86.176

85, 67.944, 86.176

83, 75.445, 84.625

87, 59.007, 87.687

81, 80.661, 82.813

89, 49.358, 89.093

80, 83.107, 80.674

91, 39.397, 90.457

80, 83.154, 80.622

93, 29.360, 91.785

95, 19.371, 93.074

98, 9.495, 94.316

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, 67.944, 86.176



56, 73.619, 290.222

Rectangle

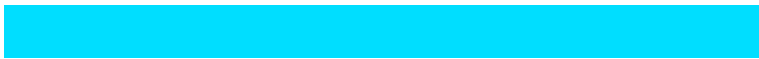
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 67.944, 86.176



85, 67.944, 136.176



85, 67.944, 266.176



85, 67.944, 316.176

Sweetspot

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



85, 67.927, 86.216



95, 20.601, 92.917



60, 70.882, 9.458



50, 13.969, 92.564



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, 67.927, 86.216



82, 77.989, 83.893



95, 84.079, 114.635



52, 5.528, 94.347



61, 67.050, 81.067



20, 28.997, 83.669

Inverse Universe

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



56, 73.619, 290.222



48, 90.412, 294.981



47, 101.967, 305.645



50, 5.558, 276.761



30, 86.149, 299.619



7, 34.549, 294.815

Previews

White Background



This preview shows how the CIELCh color 85, 67.944, 86.176 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, 67.944, 86.176 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, 67.944, 86.176

Background



This preview shows how black text looks on a background with the CIELCh color 85, 67.944, 86.176.



This preview shows how white text looks on a background with the CIELCh color 85, 67.944, 86.176.

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
85, 22.506, 5.117

Trichromacy



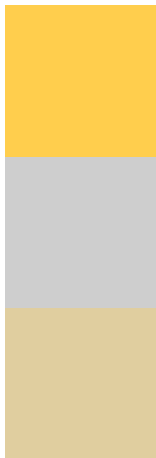
Original Color
85, 67.944, 86.176

Protanomaly
85, 67.062, 91.757

Deuteranomaly
85, 55.565, 82.989

Tritanomaly
85, 30.627, 61.799

Monochromacy



Original Color
85, 67.944, 86.176

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, 67.944, 86.176 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 67.944, 86.176 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, 77) }
```

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

```
.border{ border-color:rgb(255, 206, 77) }
```

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, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 67.944, 86.176 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, 77) }
```

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

```
.background{ background-color: rgb(255,  
206, 77) }
```

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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