

Converting Colors

CIELCh(85, 65.657, 85.027)

Have a look what the booklet for
CIELCh(85, 65.657, 85.027) contains.

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Color

CIELCh(85, 65.359, 85.302)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFCE54 |
| RGB | 255, 206, 84 |
| RGB Percent | 100%, 81%, 33% |
| CMY | 0.0000, 0.1935, 0.6720 |
| CMYK | 0.00, 0.19, 0.67, 0.00 |
| HSL | 43°, 100%, 66% |
| HSV | 43°, 67%, 100% |
| XYZ | 65.0806, 66.0070, 17.6251 |
| YIQ | 206.7430, 68.3660, -27.5540 |

Conversions

Conversions Part 2

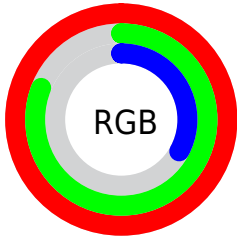
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 153, 255, 84 |
| Decimal | 16764500 |
| CIE Lab | 85.00, 5.35, 65.14 |
| CIE LCh | 85, 65.359, 85.302 |
| Yxy | 66.0070, 0.4376, 0.4439 |
| Android (android.graphics.Color) | 4294954580 (0xFFFFCE54) |
| YUV | 206.7430, -60.5123, 42.3214 |
| Hunter-Lab | 81.2447, 0.8082, 44.0090 |

Details

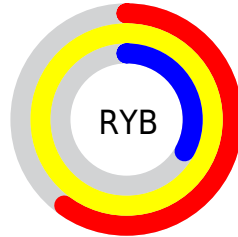
The CIELCh color **85, 65.359, 85.302** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **58, 69.310, 288.601**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 57.233, 105.797**, and **65, 65.144, 85.832** is the 20% darker color. If you saturate the color by 10%, you get **83, 73.249, 83.974**, and if you desaturate by 10%, it is **87, 56.074, 87.036**.

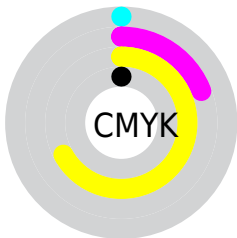
Distribution



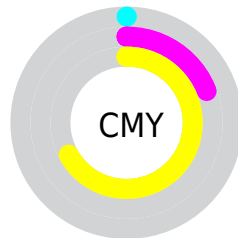
- Red (100%)
- Green (81%)
- Blue (33%)



- Red (60%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (19%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (19%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 65.359, 85.302 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, 65.359, 85.302 by changing the saturation by 10% instead.

 85, 65.359, 85.302

 85, 65.359, 85.302

 100, 65.359,
85.302

 75, 65.359, 85.302

 65, 65.359, 85.302

 55, 65.359, 85.302

 45, 65.359, 85.302

 35, 65.359, 85.302

 25, 65.359, 85.302

 15, 65.359, 85.302

 5, 65.359, 85.302

 0, 65.359, 85.302

85, 65.359, 85.302

85, 65.359, 85.302

83, 73.249, 83.974

87, 56.074, 87.036

81, 79.233, 82.176

89, 46.346, 88.449

79, 82.361, 80.020

91, 36.413, 89.819

79, 82.929, 79.376

94, 26.466, 91.150

96, 16.608, 92.441

98, 6.888, 93.674

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, 65.359, 85.302



58, 69.310, 288.601

Rectangle

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



85, 65.359, 85.302



85, 65.359, 135.302



85, 65.359, 265.302



85, 65.359, 315.302

Sweetspot

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



85, 65.240, 85.561



95, 19.359, 92.084



61, 68.736, 7.280



50, 13.236, 91.722



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, 65.240, 85.561



82, 75.816, 83.322



95, 81.512, 113.906



52, 5.454, 93.397



61, 66.858, 79.845



20, 28.774, 82.508

Inverse Universe

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



58, 69.310, 288.601



50, 85.169, 293.221



49, 98.298, 304.998



50, 5.478, 275.834



31, 84.580, 299.017



7, 33.939, 294.182

Previews

White Background



This preview shows how the CIELCh color 85, 65.359, 85.302 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, 65.359, 85.302 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, 65.359, 85.302

Background



This preview shows how black text looks on a background with the CIELCh color 85, 65.359, 85.302.



This preview shows how white text looks on a background with the CIELCh color 85, 65.359, 85.302.

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, 65.172, 85.694

Protanopia

85, 64.055, 95.415

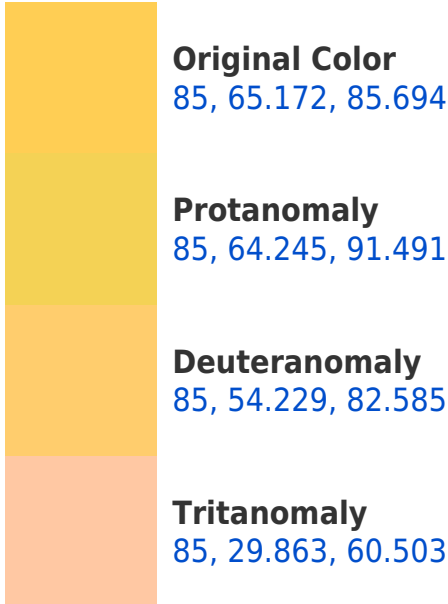
Deuteranopia

85, 47.694, 79.590



Tritanopia
85, 22.506, 5.117

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 65.359, 85.302 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 65.359, 85.302 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, 84) }
```

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

```
.border{ border-color:rgb(255, 206, 84) }
```

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, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 65.359, 85.302 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, 84) }
```

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

```
.background{ background-color: rgb(255,  
206, 84) }
```

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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