

Converting Colors

CIELCh(85, 85.674, 88.368)

Have a look what the booklet for
CIELCh(85, 85.674, 88.368) contains.

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Color

CIELCh(85, 85.590, 88.554)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF03
RGB	255, 207, 3
RGB Percent	100%, 81%, 1%
CMY	0.0000, 0.1876, 0.9898
CMYK	0.00, 0.19, 0.99, 0.00
HSL	49°, 100%, 51%
HSV	49°, 99%, 100%
XYZ	63.6761, 66.0070, 9.4582
YIQ	198.0960, 94.0920, -53.2680

Conversions

Conversions Part 2

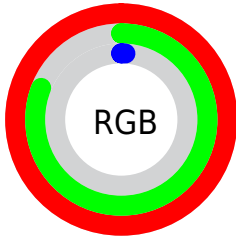
Format	Color
RYB	62, 255, 3
Decimal	16764675
CIELab	85.00, 2.16, 85.56
CIELCh	85, 85.590, 88.554
Yxy	66.0070, 0.4576, 0.4744
Android (android.graphics.Color)	4294954755 (0xFFFFCF03)
YUV	198.0960, -96.1823, 49.9048
Hunter-Lab	81.2447, -2.2776, 49.9690

Details

The CIELCh color **85, 85.590, 88.554** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **37, 119.252, 303.035**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.626, 104.179**, and **65, 69.057, 87.185** is the 20% darker color. If you saturate the color by 10%, you get **85, 85.715, 88.458**, and if you desaturate by 10%, it is **86, 83.416, 90.075**.

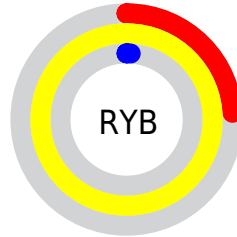
Distribution



Red (100%)

Green (81%)

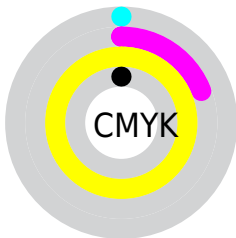
Blue (1%)



Red (24%)

Yellow (100%)

Blue (1%)

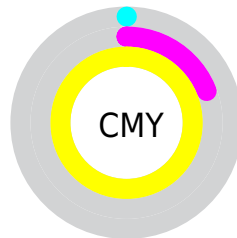


Cyan (0%)

Magenta (19%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 85.590, 88.554 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, 85.590, 88.554 by changing the saturation by 10% instead.

 85, 85.590, 88.554

 85, 85.590, 88.554

 100, 85.590,
88.554

 75, 85.590, 88.554

 65, 85.590, 88.554

 55, 85.590, 88.554

 45, 85.590, 88.554

 35, 85.590, 88.554

 25, 85.590, 88.554

 15, 85.590, 88.554

 5, 85.590, 88.554

 0, 85.590, 88.554

85, 85.590, 88.554

85, 85.590, 88.554

85, 85.715, 88.458

86, 83.416, 90.075

88, 78.421, 91.417

89, 71.011, 92.694

90, 62.001, 93.947

92, 52.057, 95.189

93, 41.624, 96.423

95, 30.968, 97.641

97, 20.246, 98.834

98, 9.545, 99.991

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85, 85.590, 88.554



37, 119.252, 303.035

Rectangle

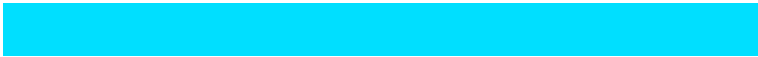
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 85.590, 88.554



85, 85.590, 138.554



85, 85.590, 268.554



85, 85.590, 318.554

Sweetspot

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



85, 85.566, 88.609



95, 32.055, 97.518



54, 93.273, 30.102



50, 21.869, 97.006



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, 85.566, 88.609



85, 85.715, 88.458



92, 102.128, 120.055



52, 6.042, 99.933



65, 69.146, 88.742



22, 30.700, 90.706

Inverse Universe

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



37, 119.252, 303.035



37, 120.269, 303.253



36, 129.652, 308.174



49, 6.117, 282.184



27, 95.515, 302.835



6, 38.034, 297.911

Previews

White Background



This preview shows how the CIELCh color 85, 85.590, 88.554 looks on a white background.

Color Contrast Check

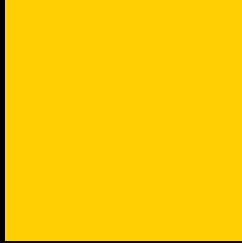
Large Text (above 18pt) WCAG AA × Fail

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, 85.590, 88.554 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, 85.590, 88.554

Background



This preview shows how black text looks on a background with the CIELCh color 85, 85.590, 88.554.



This preview shows how white text looks on a background with the CIELCh color 85, 85.590, 88.554.

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, 85.502, 88.547

Protanopia

85, 84.533, 94.897

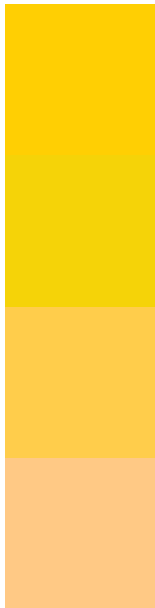
Deuteranopia

85, 50.416, 80.724



Tritanopia
85, 22.407, 6.416

Trichromacy



Original Color
85, 85.502, 88.547

Protanomaly
85, 84.746, 92.770

Deuteranomaly
85, 68.500, 85.857

Tritanomaly
84, 42.628, 74.968

Monochromacy



Original Color
85, 85.502, 88.547

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 39.397, 95.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 85.590, 88.554 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, 207, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 3)  
}
```

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, 207, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 85.590, 88.554 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, 207, 3) }
```

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

```
.border{ border-color:rgb(255, 207, 3) }
```

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

Here you see how a box with a 4 pixel rgb(255, 207, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 85.590, 88.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 3) }
```

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

```
.background{ background-color: rgb(255,  
207, 3) }
```

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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