

Converting Colors

CIELCh(85, 85.489, 88.025)

Have a look what the booklet for
CIELCh(85, 85.489, 88.025) contains.

CIELCh(85, 85.326, 88.534)	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(85, 85.326, 88.534)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF06
RGB	255, 207, 6
RGB Percent	100%, 81%, 2%
CMY	0.0000, 0.1876, 0.9782
CMYK	0.00, 0.19, 0.98, 0.00
HSL	48°, 100%, 51%
HSV	48°, 98%, 100%
XYZ	63.6862, 66.0070, 9.5432
YIQ	198.4380, 93.1290, -52.3350

Conversions

Conversions Part 2

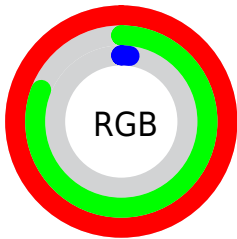
Format	Color
RYB	65, 255, 6
Decimal	16764678
CIELab	85.00, 2.18, 85.30
CIELCh	85, 85.326, 88.534
Yxy	66.0070, 0.4574, 0.4741
Android (android.graphics.Color)	4294954758 (0xFFFFCF06)
YUV	198.4380, -94.8719, 49.6049
Hunter-Lab	81.2447, -2.2554, 49.9070

Details

The CIELCh color **85, 85.326, 88.534** 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 **38, 117.765, 302.698**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **65, 69.057, 87.185** is the 20% darker color. If you saturate the color by 10%, you get **85, 85.623, 88.255**, and if you desaturate by 10%, it is **86, 82.880, 90.057**.

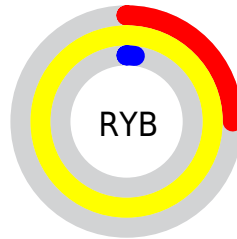
Distribution



Red (100%)

Green (81%)

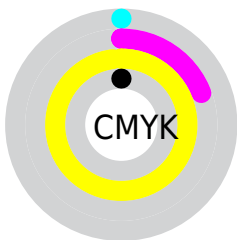
Blue (2%)



Red (25%)

Yellow (100%)

Blue (2%)

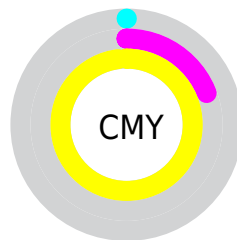


Cyan (0%)

Magenta (19%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 85.326, 88.534 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, 85.326, 88.534 by changing the saturation by 10% instead.

 85, 85.326, 88.534

 85, 85.326, 88.534

 100, 85.326,
88.534

 75, 85.326, 88.534

 65, 85.326, 88.534

 55, 85.326, 88.534

 45, 85.326, 88.534

 35, 85.326, 88.534

 25, 85.326, 88.534

 15, 85.326, 88.534

 5, 85.326, 88.534

 0, 85.326, 88.534

85, 85.326, 88.534

85, 85.326, 88.534

85, 85.623, 88.255

86, 82.880, 90.057

88, 77.555, 91.400

89, 69.914, 92.682

90, 60.768, 93.939

92, 50.758, 95.185

93, 40.302, 96.421

95, 29.651, 97.639

97, 18.949, 98.832

99, 8.279, 99.985

Harmonies

Complementary

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



85, 85.326, 88.534



38, 117.765, 302.698

Rectangle

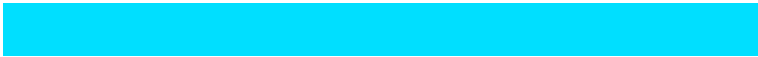
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 85.326, 88.534



85, 85.326, 138.534



85, 85.326, 268.534



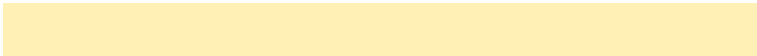
85, 85.326, 318.534

Sweetspot

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



85, 85.303, 88.587



95, 30.916, 97.496



54, 92.551, 29.492



50, 21.217, 96.978



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, 85.303, 88.587



85, 85.623, 88.255



92, 101.817, 119.928



52, 6.027, 99.795



65, 69.071, 88.543



22, 30.649, 90.529

Inverse Universe

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



38, 117.765, 302.698



37, 119.995, 303.186



36, 129.071, 308.206



49, 6.101, 282.051



27, 95.287, 302.763



6, 37.952, 297.847

Previews

White Background



This preview shows how the CIELCh color 85, 85.326, 88.534 looks on a white background.

Color Contrast Check

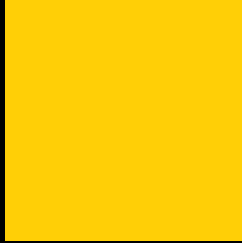
Large Text (above 18pt) WCAG AA × Fail

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, 85.326, 88.534 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, 85.326, 88.534

Background



This preview shows how black text looks on a background with the CIELCh color 85, 85.326, 88.534.



This preview shows how white text looks on a background with the CIELCh color 85, 85.326, 88.534.

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, 85.239, 88.527

Protanopia

85, 84.440, 94.896

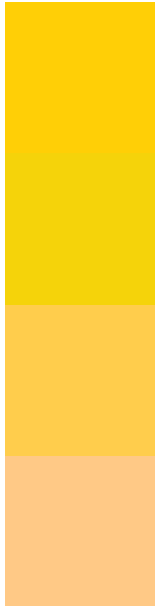
Deuteranopia

85, 50.416, 80.724



Tritanopia
85, 22.407, 6.416

Trichromacy



Original Color
85, 85.239, 88.527

Protanomaly
85, 84.573, 92.765

Deuteranomaly
85, 68.117, 85.793

Tritanomaly
84, 42.181, 74.674

Monochromacy



Original Color
85, 85.239, 88.527

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 38.900, 95.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 85.326, 88.534 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 85.326, 88.534 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, 6) }
```

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

```
.border{ border-color:rgb(255, 207, 6) }
```

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, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 85.326, 88.534 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, 6) }
```

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

```
.background{ background-color: rgb(255,  
207, 6) }
```

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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