

Converting Colors

CIELCh(85, 83.778, 94.890)

Have a look what the booklet for
CIELCh(85, 83.778, 94.890) contains.

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Color

CIELCh(85, 83.901, 94.892)

Conversions

Conversions Part 1

Format	Color
Hex	F0D510
RGB	240, 213, 16
RGB Percent	94%, 84%, 6%
CMY	0.0597, 0.1655, 0.9354
CMYK	0.00, 0.11, 0.93, 0.06
HSL	53°, 88%, 50%
HSV	53°, 93%, 94%
XYZ	59.6950, 66.0070, 10.1025
YIQ	198.6150, 79.3290, -55.5430

Conversions

Conversions Part 2

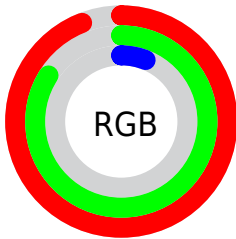
Format	Color
RYB	47, 240, 16
Decimal	15783184
CIELab	85.00, -7.15, 83.60
CIElCh	85, 83.901, 94.892
Yxy	66.0070, 0.4396, 0.4860
Android (android.graphics.Color)	4293973264 (0xFFFF0D510)
YUV	198.6150, -90.0292, 36.2946
Hunter-Lab	81.2447, -11.0244, 49.4988

Details

The CIELCh color **85, 83.901, 94.892** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **34, 115.206, 303.616**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **65, 68.751, 95.124** is the 20% darker color. If you saturate the color by 10%, you get **84, 84.984, 94.252**, and if you desaturate by 10%, it is **86, 80.333, 95.839**.

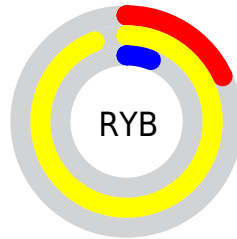
Distribution



Red (94%)

Green (84%)

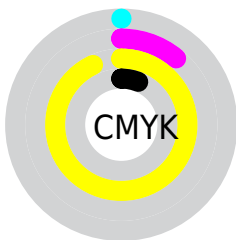
Blue (6%)



Red (18%)

Yellow (94%)

Blue (6%)

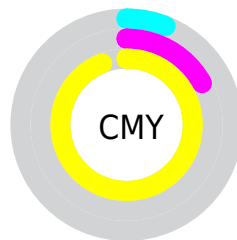


Cyan (0%)

Magenta (11%)

Yellow (93%)

Black (6%)



Cyan (6%)

Magenta (17%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 83.901, 94.892 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, 83.901, 94.892 by changing the saturation by 10% instead.

 85, 83.901, 94.892

 85, 83.901, 94.892

 100, 83.901,
94.892

 75, 83.901, 94.892

 65, 83.901, 94.892

 55, 83.901, 94.892

 45, 83.901, 94.892

 35, 83.901, 94.892

 25, 83.901, 94.892

 15, 83.901, 94.892

 5, 83.901, 94.892

 0, 83.901, 94.892

■ 85, 83.901, 94.892

■ 85, 83.901, 94.892

■ 84, 84.984, 94.252

■ 86, 80.333, 95.839

■ 87, 74.172, 96.823

■ 88, 66.056, 97.856

■ 89, 56.663, 98.931

■ 90, 46.506,
100.034

■ 91, 35.929,
101.150

■ 92, 25.141,
102.264

■ 93, 14.269,
103.360

■ 94, 3.389, 104.406

Harmonies

Complementary

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



85, 83.901, 94.892



34, 115.206, 303.616

Rectangle

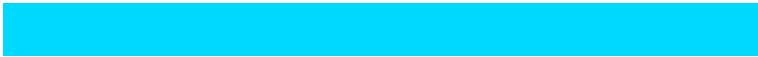
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 83.901, 94.892



85, 83.901, 144.892



85, 83.901, 274.892



85, 83.901, 324.892

Sweetspot

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



85, 83.900, 94.894



96, 31.968, 101.712



51, 89.010, 31.622



51, 22.043, 101.229



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, 83.900, 94.894



89, 89.019, 94.221



87, 97.731, 122.409



50, 6.170, 103.753



66, 69.658, 94.411



20, 28.786, 96.083

Inverse Universe

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



34, 115.206, 303.616



34, 127.286, 304.895



37, 119.246, 309.423



46, 6.273, 285.861



24, 98.237, 304.545



4, 34.645, 296.524

Previews

White Background



This preview shows how the CIELCh color 85, 83.901, 94.892 looks on a white background.

Color Contrast Check

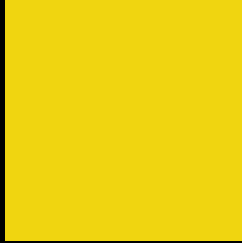
Large Text (above 18pt) WCAG AA × Fail

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, 83.901, 94.892 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, 83.901, 94.892

Background



This preview shows how black text looks on a background with the CIELCh color 85, 83.901, 94.892.



This preview shows how white text looks on a background with the CIELCh color 85, 83.901, 94.892.

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, 84.019, 94.893

Protanopia

85, 83.901, 94.892

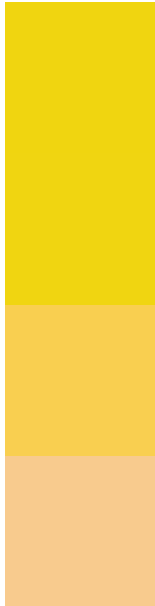
Deuteranopia

85, 50.416, 80.724



Tritanopia
85, 21.447, 359.752

Trichromacy



Original Color
85, 84.019, 94.893

Protanomaly
85, 83.901, 94.892

Deuteranomaly
85, 66.111, 88.553

Tritanomaly
84, 37.273, 77.408

Monochromacy



Original Color
85, 84.019, 94.893

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 37.290, 100.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 83.901, 94.892 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(240, 213, 16)` looks like.

```
.text, #text, p{  
    color:rgb(240, 213, 16)  
}
```

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(240, 213, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 213, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 83.901, 94.892 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(240, 213, 16) }
```

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

```
.border{ border-color:rgb(240, 213, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 213, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 213, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 213, 16);  
box-shadow:4px 4px 4px 4px rgb(240, 213,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 83.901, 94.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 213, 16) }
```

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

```
.background{ background-color: rgb(240,  
213, 16) }
```

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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