

Converting Colors

CIELCh(85, 84.112, 95.400)

Have a look what the booklet for
CIELCh(85, 84.112, 95.400) contains.

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Color

CIELCh(85, 84.064, 95.189)

Conversions

Conversions Part 1

Format	Color
Hex	EFD50F
RGB	239, 213, 15
RGB Percent	94%, 84%, 6%
CMY	0.0625, 0.1645, 0.9406
CMYK	0.00, 0.11, 0.94, 0.06
HSL	53°, 88%, 50%
HSV	53°, 94%, 94%
XYZ	59.5078, 66.0070, 10.0610
YIQ	198.2020, 79.0540, -56.0660

Conversions

Conversions Part 2

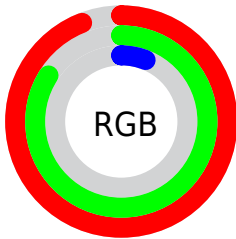
Format	Color
R_{YB}	44, 239, 15
Decimal	15717647
CIE Lab	85.00, -7.60, 83.72
CIE LCh	85, 84.064, 95.189
Yxy	66.0070, 0.4389, 0.4869
Android (android.graphics.Color)	4293907727 (0xFFEFD50F)
YUV	198.2020, -90.3186, 35.7798
Hunter-Lab	81.2447, -11.4356, 49.5291

Details

The CIELCh color **85, 84.064, 95.189** 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, 115.924, 303.839**, 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, 68.683, 95.507** is the 20% darker color. If you saturate the color by 10%, you get **85, 85.040, 94.622**, and if you desaturate by 10%, it is **86, 80.651, 96.106**.

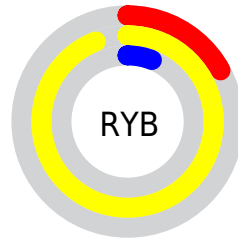
Distribution



Red (94%)

Green (84%)

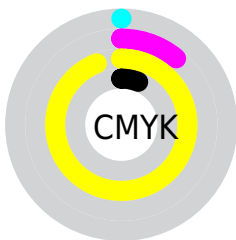
Blue (6%)



Red (17%)

Yellow (94%)

Blue (6%)

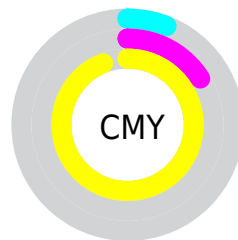


Cyan (0%)

Magenta (11%)

Yellow (94%)

Black (6%)



Cyan (6%)

Magenta (16%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 84.064, 95.189 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, 84.064, 95.189 by changing the saturation by 10% instead.

 85, 84.064, 95.189

 85, 84.064, 95.189

 100, 84.064,
95.189

 75, 84.064, 95.189

 65, 84.064, 95.189

 55, 84.064, 95.189

 45, 84.064, 95.189

 35, 84.064, 95.189

 25, 84.064, 95.189

 15, 84.064, 95.189

 5, 84.064, 95.189

 0, 84.064, 95.189

■ 85, 84.064, 95.189

■ 85, 84.064, 95.189

■ 85, 85.040, 94.622

■ 86, 80.651, 96.106

■ 87, 74.627, 97.066

■ 87, 66.608, 98.080

■ 88, 57.272, 99.142

■ 89, 47.143,
100.235

■ 90, 36.571,
101.343

■ 92, 25.774,
102.451

■ 93, 14.884,
103.544

■ 94, 3.978, 104.593

Harmonies

Complementary

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



85, 84.064, 95.189



34, 115.924, 303.839

Rectangle

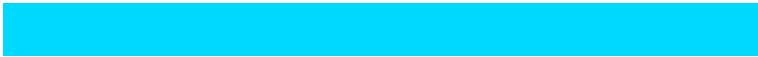
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 84.064, 95.189



85, 84.064, 145.189



85, 84.064, 275.189



85, 84.064, 325.189

Sweetspot

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



85, 84.063, 95.191



96, 32.112, 101.961



51, 90.130, 32.953



51, 22.140, 101.480



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



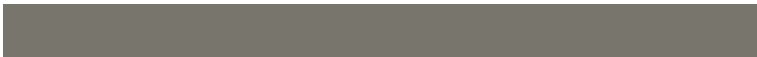
85, 84.063, 95.191



90, 89.279, 94.590



86, 98.205, 123.172



50, 6.200, 103.992



67, 69.858, 94.772



20, 28.901, 96.396

Inverse Universe

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



34, 115.924, 303.839



34, 127.672, 304.981



37, 118.913, 309.702



46, 6.305, 286.092



24, 98.567, 304.640



4, 34.766, 296.617

Previews

White Background



This preview shows how the CIELCh color 85, 84.064, 95.189 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, 84.064, 95.189 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, 84.064, 95.189

Background



This preview shows how black text looks on a background with the CIELCh color 85, 84.064, 95.189.



This preview shows how white text looks on a background with the CIELCh color 85, 84.064, 95.189.

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, 84.064, 95.189

Protanopia

85, 84.132, 94.894

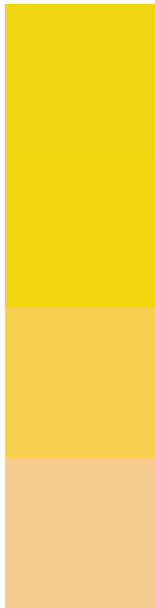
Deuteranopia

85, 50.416, 80.724



Tritanopia
85, 21.097, 359.340

Trichromacy



Original Color
85, 84.064, 95.189

Protanomaly
85, 84.132, 94.894

Deuteranomaly
85, 66.111, 88.553

Tritanomaly
84, 37.512, 78.266

Monochromacy



Original Color
85, 84.064, 95.189

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, 84.064, 95.189 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(239, 213, 15)` looks like.

```
.text, #text, p{  
    color:rgb(239, 213, 15)  
}
```

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(239, 213, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 213, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 84.064, 95.189 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(239, 213, 15) }
```

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

```
.border{ border-color:rgb(239, 213, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 213, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 213, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 213, 15);  
box-shadow:4px 4px 4px 4px rgb(239, 213,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 84.064, 95.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 213, 15) }
```

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

```
.background{ background-color: rgb(239,  
213, 15) }
```

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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