

Converting Colors

CIELCh(85, 85.105, 95.287)

Have a look what the booklet for
CIELCh(85, 85.105, 95.287) contains.

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Color

CIELCh(85, 85.072, 95.194)

Conversions

Conversions Part 1

Format	Color
Hex	EFD504
RGB	239, 213, 4
RGB Percent	94%, 84%, 2%
CMY	0.0624, 0.1644, 0.9830
CMYK	0.00, 0.11, 0.98, 0.06
HSL	53°, 96%, 48%
HSV	53°, 98%, 94%
XYZ	59.4667, 66.0070, 9.7298
YIQ	196.9480, 82.5850, -59.4870

Conversions

Conversions Part 2

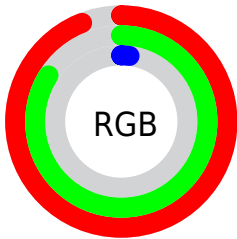
Format	Color
RYB	33, 239, 4
Decimal	15717636
CIELab	85.00, -7.70, 84.72
CIELCh	85, 85.072, 95.194
Yxy	66.0070, 0.4398, 0.4882
Android (android.graphics.Color)	4293907716 (0xFFEFD504)
YUV	196.9480, -95.1234, 36.8796
Hunter-Lab	81.2447, -11.5260, 49.7708

Details

The CIELCh color **85, 85.072, 95.194** 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 **32, 120.413, 304.763**, 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, 68.683, 95.507** is the 20% darker color. If you saturate the color by 10%, you get **85, 85.339, 95.042**, and if you desaturate by 10%, it is **86, 82.840, 96.063**.

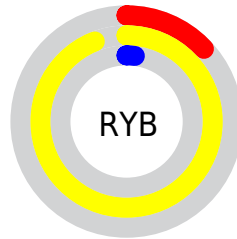
Distribution



Red (94%)

Green (84%)

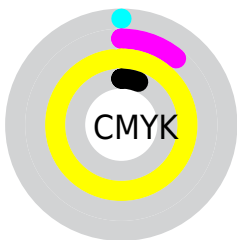
Blue (2%)



Red (13%)

Yellow (94%)

Blue (2%)

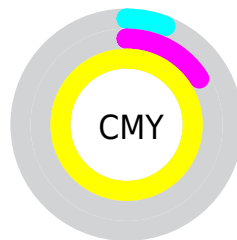


Cyan (0%)

Magenta (11%)

Yellow (98%)

Black (6%)



Cyan (6%)

Magenta (16%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 85.072, 95.194 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, 85.072, 95.194 by changing the saturation by 10% instead.

 85, 85.072, 95.194

 85, 85.072, 95.194

 100, 85.072,
95.194

 75, 85.072, 95.194

 65, 85.072, 95.194

 55, 85.072, 95.194

 45, 85.072, 95.194

 35, 85.072, 95.194

 25, 85.072, 95.194

 15, 85.072, 95.194

 5, 85.072, 95.194

 0, 85.072, 95.194

■ 85, 85.072, 95.194

■ 85, 85.072, 95.194

■ 85, 85.339, 95.042

■ 86, 82.840, 96.063

■ 86, 77.942, 96.972

■ 87, 70.734, 97.941

■ 88, 61.902, 98.968

■ 89, 52.051,
100.037

■ 90, 41.607,
101.131

■ 91, 30.845,
102.233

■ 92, 19.931,
103.328

■ 93, 8.966, 104.400

Harmonies

Complementary

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



85, 85.072, 95.194



32, 120.413, 304.763

Rectangle

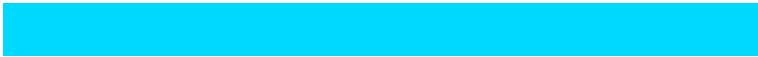
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 85.072, 95.194



85, 85.072, 145.194



85, 85.072, 275.194



85, 85.072, 325.194

Sweetspot

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



85, 85.071, 95.196



96, 33.423, 102.133



50, 93.163, 35.007



51, 22.898, 101.661



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, 85.071, 95.196



90, 89.582, 95.012



86, 99.631, 123.706



50, 6.234, 104.264



67, 70.092, 95.184



20, 29.035, 96.754

Inverse Universe

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



32, 120.413, 304.763



34, 128.103, 305.076



35, 121.149, 309.484



46, 6.342, 286.355



24, 98.937, 304.747



4, 34.906, 296.724

Previews

White Background



This preview shows how the CIELCh color 85, 85.072, 95.194 looks on a white background.

Color Contrast Check

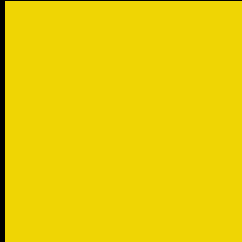
Large Text (above 18pt) WCAG AA × Fail

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, 85.072, 95.194 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, 85.072, 95.194

Background



This preview shows how black text looks on a background with the CIELCh color 85, 85.072, 95.194.

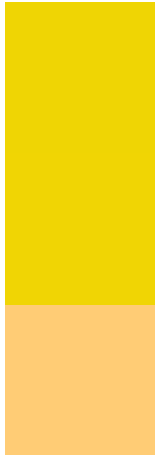


This preview shows how white text looks on a background with the CIELCh color 85, 85.072, 95.194.

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, 85.072, 95.194

Protanopia

85, 85.139, 94.901

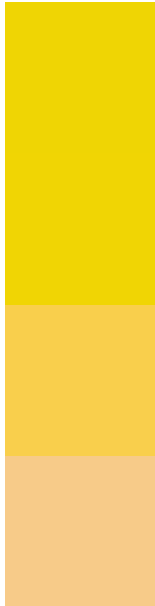
Deuteranopia

85, 50.416, 80.724



Tritanopia
85, 21.097, 359.340

Trichromacy



Original Color
85, 85.072, 95.194

Protanomaly
85, 85.139, 94.901

Deuteranomaly
85, 67.682, 88.760

Tritanomaly
84, 39.363, 79.422

Monochromacy



Original Color
85, 85.072, 95.194

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 39.753, 101.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 85.072, 95.194 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(239, 213, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 85, 85.072, 95.194 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, 4) }
```

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

```
.border{ border-color:rgb(239, 213, 4) }
```

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, 4) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 85, 85.072, 95.194 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, 4) }
```

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

```
.background{ background-color: rgb(239,  
213, 4) }
```

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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