

Converting Colors

CIELCh(85, 83.757, 94.024)

Have a look what the booklet for
CIELCh(85, 83.757, 94.024) contains.

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Color

CIELCh(85, 83.695, 93.963)

Conversions

Conversions Part 1

Format	Color
Hex	F2D412
RGB	242, 212, 18
RGB Percent	95%, 83%, 7%
CMY	0.0510, 0.1686, 0.9294
CMYK	0.00, 0.12, 0.93, 0.05
HSL	52°, 90%, 51%
HSV	52°, 93%, 95%
XYZ	60.2700, 66.0070, 10.1362
YIQ	198.8540, 80.1540, -53.9740

Conversions

Conversions Part 2

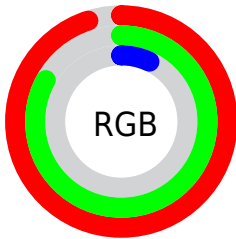
Format	Color
RYB	53, 242, 18
Decimal	15914002
CIELab	85.00, -5.78, 83.49
CIElCh	85, 83.695, 93.963
Yxy	66.0070, 0.4418, 0.4839
Android (android.graphics.Color)	4294104082 (0xFFFF2D412)
YUV	198.8540, -89.1610, 37.8390
Hunter-Lab	81.2447, -9.7610, 49.4742

Details

The CIELCh color **85, 83.695, 93.963** 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 **35, 114.084, 303.149**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.764, 104.318**, and **65, 68.667, 93.930** is the 20% darker color. If you saturate the color by 10%, you get **84, 84.899, 93.194**, and if you desaturate by 10%, it is **86, 79.942, 94.992**.

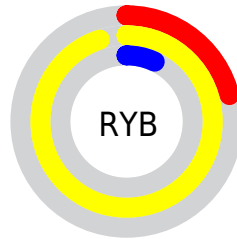
Distribution



Red (95%)

Green (83%)

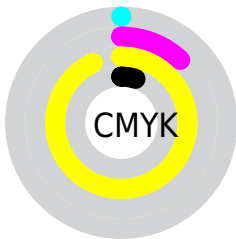
Blue (7%)



Red (21%)

Yellow (95%)

Blue (7%)

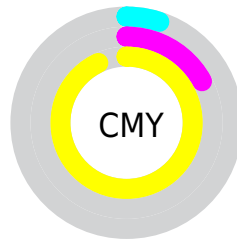


Cyan (0%)

Magenta (12%)

Yellow (93%)

Black (5%)



Cyan (5%)

Magenta (17%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 83.695, 93.963 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, 83.695, 93.963 by changing the saturation by 10% instead.

 85, 83.695, 93.963

 85, 83.695, 93.963

 100, 83.695,
93.963

 75, 83.695, 93.963

 65, 83.695, 93.963

 55, 83.695, 93.963

 45, 83.695, 93.963

 35, 83.695, 93.963

 25, 83.695, 93.963

 15, 83.695, 93.963

 5, 83.695, 93.963

 0, 83.695, 93.963

85, 83.695, 93.963

85, 83.695, 93.963

84, 84.899, 93.194

86, 79.942, 94.992

87, 73.606, 96.037

88, 65.363, 97.115

89, 55.896, 98.225

90, 45.711, 99.355

91, 35.140,
100.492

92, 24.384,
101.622

94, 13.563,
102.731

95, 2.747, 103.778

Harmonies

Complementary

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



85, 83.695, 93.963



35, 114.084, 303.149

Rectangle

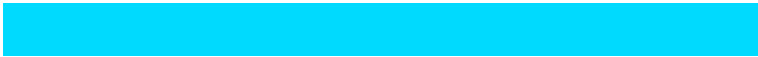
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 83.695, 93.963



85, 83.695, 143.963



85, 83.695, 273.963



85, 83.695, 323.963

Sweetspot

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



85, 83.694, 93.965



96, 31.564, 100.999



51, 88.325, 30.213



51, 21.770, 100.509



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



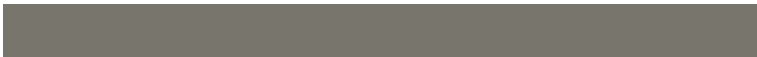
85, 83.694, 93.965



88, 88.312, 93.164



88, 97.724, 121.630



50, 6.086, 103.067



66, 69.111, 93.380



20, 28.466, 95.182

Inverse Universe

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



35, 114.084, 303.149



35, 126.131, 304.636



37, 120.119, 309.151



46, 6.183, 285.199



24, 97.260, 304.258



4, 34.304, 296.257

Previews

White Background



This preview shows how the CIELCh color 85, 83.695, 93.963 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, 83.695, 93.963 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, 83.695, 93.963

Background



This preview shows how black text looks on a background with the CIELCh color 85, 83.695, 93.963.



This preview shows how white text looks on a background with the CIELCh color 85, 83.695, 93.963.

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, 83.695, 93.963

Protanopia

85, 83.778, 94.890

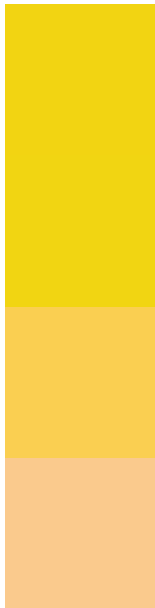
Deuteranopia

85, 50.416, 80.724



Tritanopia
85, 22.523, 0.931

Trichromacy



Original Color
85, 83.695, 93.963

Protanomaly
85, 83.849, 94.594

Deuteranomaly
85, 65.852, 88.138

Tritanomaly
84, 38.000, 75.785

Monochromacy



Original Color
85, 83.695, 93.963

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 37.312, 99.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 83.695, 93.963 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(242, 212, 18)` looks like.

```
.text, #text, p{  
    color:rgb(242, 212, 18)  
}
```

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(242, 212, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 212, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 83.695, 93.963 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(242, 212, 18) }
```

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

```
.border{ border-color:rgb(242, 212, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 212, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 212, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 212, 18);  
box-shadow:4px 4px 4px 4px rgb(242, 212,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 83.695, 93.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 212, 18) }
```

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

```
.background{ background-color: rgb(242,  
212, 18) }
```

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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