

Converting Colors

CIELCh(80, 81.944, 85.528)

Have a look what the booklet for
CIELCh(80, 81.944, 85.528) contains.

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Color

CIELCh(80, 81.871, 85.711)

Conversions

Conversions Part 1

Format	Color
Hex	F5BF02
RGB	245, 191, 2
RGB Percent	96%, 75%, 1%
CMY	0.0392, 0.2509, 0.9920
CMYK	0.00, 0.22, 0.99, 0.04
HSL	47°, 98%, 48%
HSV	47°, 99%, 96%
XYZ	56.3009, 56.6813, 8.0311
YIQ	185.6000, 92.8530, -47.3310

Conversions

Conversions Part 2

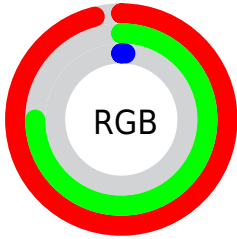
Format	Color
R _Y B	71, 245, 2
Decimal	16105218
CIE Lab	80.00, 6.12, 81.64
CIE LCh	80, 81.871, 85.711
Yxy	56.6813, 0.4652, 0.4684
Android (android.graphics.Color)	4294295298 (0xFFFF5BF02)
YUV	185.6000, -90.5148, 52.0938
Hunter-Lab	75.2870, 1.7333, 46.3762

Details

The CIELCh color **80, 81.871, 85.711** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **37, 111.635, 301.953**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 77.197, 101.672**, and **60, 65.433, 83.803** is the 20% darker color. If you saturate the color by 10%, you get **80, 82.010, 85.568**, and if you desaturate by 10%, it is **81, 79.627, 87.429**.

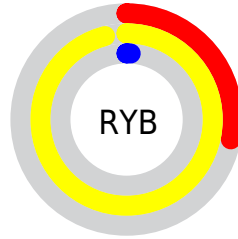
Distribution



Red (96%)

Green (75%)

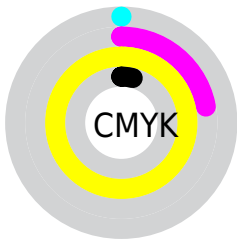
Blue (1%)



Red (28%)

Yellow (96%)

Blue (1%)

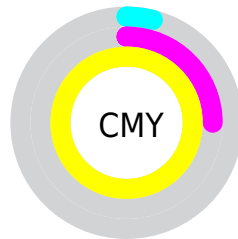


Cyan (0%)

Magenta (22%)

Yellow (99%)

Black (4%)



Cyan (4%)

Magenta (25%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 81.871, 85.711 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 80, 81.871, 85.711 by changing the saturation by 10% instead.

 80, 81.871, 85.711

 80, 81.871, 85.711

 100, 81.871,
85.711

 70, 81.871, 85.711

 60, 81.871, 85.711

 50, 81.871, 85.711

 40, 81.871, 85.711

 30, 81.871, 85.711

 20, 81.871, 85.711

 10, 81.871, 85.711

 0, 81.871, 85.711

 80, 81.871, 85.711

 80, 81.871, 85.711

80, 82.010, 85.568

81, 79.627, 87.429

83, 74.667, 88.947

84, 67.432, 90.345

86, 58.739, 91.683

88, 49.229, 92.990

89, 39.316, 94.274

91, 29.244, 95.533

93, 19.151, 96.763

95, 9.112, 97.950

Harmonies

Complementary

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



80, 81.871, 85.711



37, 111.635, 301.953

Rectangle

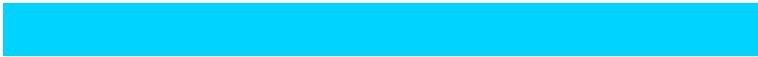
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 81.871, 85.711



80, 81.871, 135.711



80, 81.871, 265.711



80, 81.871, 315.711

Sweetspot

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



80, 81.870, 85.714



94, 31.076, 95.422



52, 88.548, 27.489



49, 21.217, 94.892



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 81.870, 85.714



83, 84.516, 85.525



89, 98.115, 118.384



50, 5.646, 97.913



62, 66.827, 85.907



19, 27.688, 88.350

Inverse Universe

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



37, 111.635, 301.953



38, 116.166, 302.213



34, 126.505, 307.783



48, 5.702, 280.219



27, 90.143, 301.689



5, 33.633, 295.313

Previews

White Background



This preview shows how the CIELCh color 80, 81.871, 85.711 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 80, 81.871, 85.711 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 80, 81.871, 85.711

Background



This preview shows how black text looks on a background with the CIELCh color 80, 81.871, 85.711.



This preview shows how white text looks on a background with the CIELCh color 80, 81.871, 85.711.

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

80, 81.871, 85.711

Protanopia

80, 80.063, 95.000

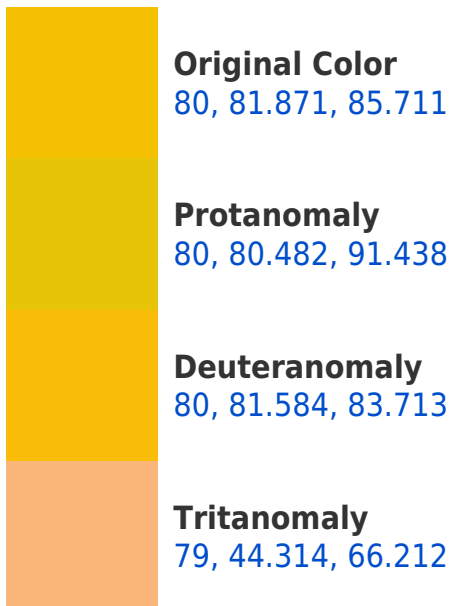
Deuteranopia

80, 81.413, 82.701



Tritanopia
80, 30.162, 9.029

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 81.871, 85.711 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(245, 191, 2)` looks like.

```
.text, #text, p{  
    color:rgb(245, 191, 2)  
}
```

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(245, 191, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 191, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 81.871, 85.711 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(245, 191, 2) }
```

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

```
.border{ border-color:rgb(245, 191, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 191, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 191, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 191, 2);  
box-shadow:4px 4px 4px 4px rgb(245, 191,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 81.871, 85.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 191, 2) }
```

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

```
.background{ background-color: rgb(245,  
191, 2) }
```

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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