

Converting Colors

CIELCh(80, 95.000, 85.000)

Have a look what the booklet for
CIELCh(80, 95.000, 85.000) contains.

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Color

CIELCh(80, 82.623, 83.544)

Conversions

Conversions Part 1

Format	Color
Hex	FABD00
RGB	250, 189, 0
RGB Percent	98%, 74%, 0%
CMY	0.0199, 0.2590, 1.0000
CMYK	0.00, 0.24, 1.00, 0.02
HSL	45°, 100%, 49%
HSV	45°, 100%, 98%
XYZ	57.5845, 56.6813, 7.9005
YIQ	185.6930, 97.0250, -45.8470

Conversions

Conversions Part 2

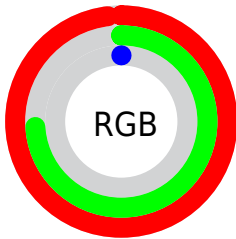
Format	Color
R _Y B	81, 250, 0
Decimal	16432384
CIE Lab	80.00, 9.29, 82.10
CIE LCh	80, 82.623, 83.544
Yxy	56.6813, 0.4714, 0.4640
Android (android.graphics.Color)	4294622464 (0xFF FABD00)
YUV	185.6930, -91.5466, 56.3972
Hunter-Lab	75.2870, 4.7766, 46.4791

Details

The CIELCh color **80, 82.623, 83.544** 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 **38, 111.401, 301.394**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 76.500, 101.038**, and **60, 66.177, 80.935** is the 20% darker color. If you saturate the color by 10%, you get **80, 82.606, 83.544**, and if you desaturate by 10%, it is **82, 80.404, 85.447**.

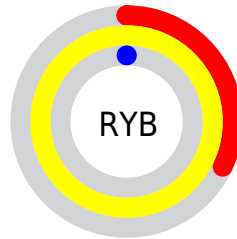
Distribution



Red (98%)

Green (74%)

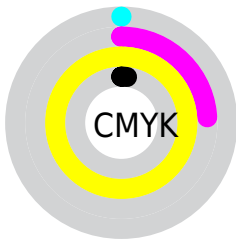
Blue (0%)



Red (32%)

Yellow (98%)

Blue (0%)

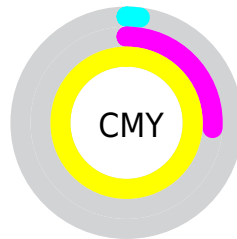


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 82.623, 83.544 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, 82.623, 83.544 by changing the saturation by 10% instead.

 80, 82.623, 83.544

 80, 82.623, 83.544

 100, 82.623,
83.544

 70, 82.623, 83.544

 60, 82.623, 83.544

 50, 82.623, 83.544

 40, 82.623, 83.544

 30, 82.623, 83.544

 20, 82.623, 83.544

 10, 82.623, 83.544

 0, 82.623, 83.544

 80, 82.623, 83.544

 80, 82.623, 83.544

80, 82.606, 83.544

82, 80.404, 85.447

83, 75.505, 87.103

85, 68.260, 88.590

87, 59.525, 89.990

88, 49.973, 91.342

90, 40.034, 92.663

92, 29.957, 93.954

94, 19.881, 95.212

96, 9.880, 96.425

Harmonies

Complementary

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



80, 82.623, 83.544



38, 111.401, 301.394

Rectangle

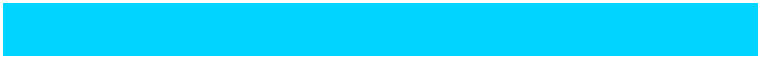
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 82.623, 83.544



80, 82.623, 133.544



80, 82.623, 263.544



80, 82.623, 313.544

Sweetspot

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



80, 82.606, 83.544



94, 30.449, 93.950



53, 89.464, 26.634



49, 20.801, 93.409



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, 82.606, 83.544



81, 83.866, 83.521



91, 99.347, 117.615



51, 5.613, 96.485



62, 66.974, 83.928



20, 28.425, 86.424

Inverse Universe

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



38, 111.401, 301.394



39, 113.219, 301.425



34, 129.191, 307.590



49, 5.659, 278.837



28, 88.756, 300.892



6, 34.439, 295.458

Previews

White Background



This preview shows how the CIELCh color 80, 82.623, 83.544 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, 82.623, 83.544 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, 82.623, 83.544

Background



This preview shows how black text looks on a background with the CIELCh color 80, 82.623, 83.544.



This preview shows how white text looks on a background with the CIELCh color 80, 82.623, 83.544.

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, 82.623, 83.544

Protanopia

80, 79.955, 94.999

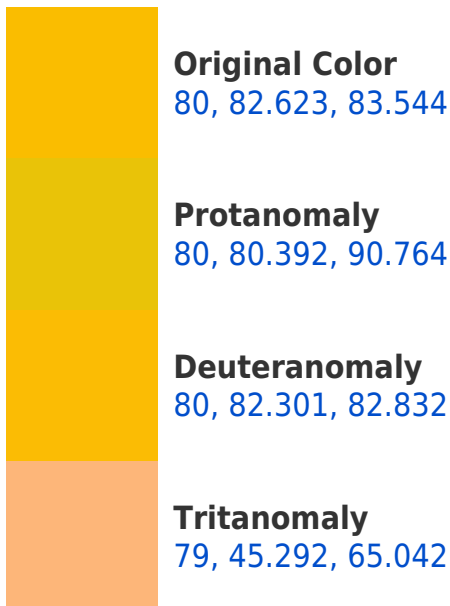
Deuteranopia

80, 82.011, 82.790



Tritanopia
80, 30.110, 10.020

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 82.623, 83.544 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(250, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 189, 0)  
}
```

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(250, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 189, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 82.623, 83.544 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(250, 189, 0) }
```

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

```
.border{ border-color:rgb(250, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 189,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 82.623, 83.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 189, 0) }
```

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

```
.background{ background-color: rgb(250,  
189, 0) }
```

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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