

Converting Colors

CIELCh(78, 80.784, 83.993)

Have a look what the booklet for
CIELCh(78, 80.784, 83.993) contains.

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Color

CIELCh(78, 80.741, 83.984)

Conversions

Conversions Part 1

Format	Color
Hex	F2B800
RGB	242, 184, 0
RGB Percent	95%, 72%, 0%
CMY	0.0506, 0.2781, 0.9989
CMYK	0.00, 0.24, 1.00, 0.05
HSL	46°, 100%, 48%
HSV	46°, 100%, 95%
XYZ	53.8120, 53.2120, 7.4421
YIQ	180.3660, 93.6320, -44.9280

Conversions

Conversions Part 2

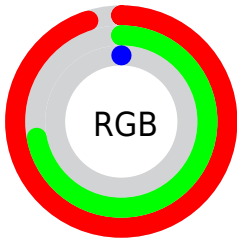
Format	Color
R_YB	76, 242, 0
Decimal	15906816
CIE Lab	78.00, 8.46, 80.30
CIE LCh	78, 80.741, 83.984
Yxy	53.2120, 0.4701, 0.4649
Android (android.graphics.Color)	4294096896 (0xFFFF2B800)
YUV	180.3660, -88.9204, 54.0530
Hunter-Lab	72.9466, 4.0212, 45.0138

Details

The CIELCh color **78, 80.741, 83.984** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **37, 109.007, 301.472**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 75.535, 99.378**, and **58, 64.153, 81.419** is the 20% darker color. If you saturate the color by 10%, you get **78, 80.760, 83.965**, and if you desaturate by 10%, it is **79, 78.531, 85.845**.

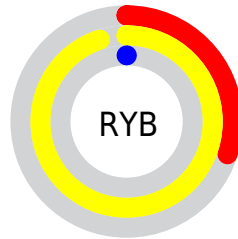
Distribution



Red (95%)

Green (72%)

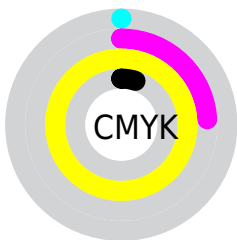
Blue (0%)



Red (30%)

Yellow (95%)

Blue (0%)

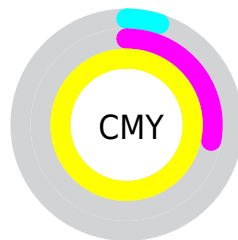


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (28%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 80.741, 83.984 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 78, 80.741, 83.984 by changing the saturation by 10% instead.

 78, 80.741, 83.984

 78, 80.741, 83.984

 100, 80.741,
83.984

 68, 80.741, 83.984

 98, 80.741, 83.984

 58, 80.741, 83.984

 48, 80.741, 83.984

 38, 80.741, 83.984

 28, 80.741, 83.984

 18, 80.741, 83.984

 8, 80.741, 83.984

 0, 80.741, 83.984

 78, 80.741, 83.984

 78, 80.741, 83.984

78, 80.760, 83.965

79, 78.531, 85.845

81, 73.710, 87.469

83, 66.618, 88.937

84, 58.083, 90.322

86, 48.752, 91.664

88, 39.042, 92.975

90, 29.193, 94.259

92, 19.342, 95.509

94, 9.558, 96.717

Harmonies

Complementary

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



78, 80.741, 83.984



37, 109.007, 301.472

Rectangle

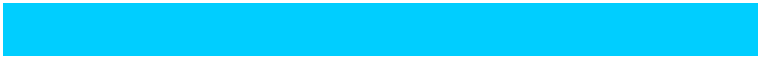
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 80.741, 83.984



78, 80.741, 133.984



78, 80.741, 263.984



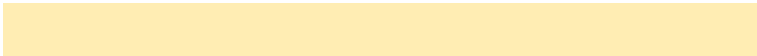
78, 80.741, 313.984

Sweetspot

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



78, 80.740, 83.987



94, 30.566, 94.234



51, 87.203, 26.467



49, 20.879, 93.695



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 80.740, 83.987



82, 83.980, 83.904



89, 96.941, 117.582



49, 5.448, 96.765



61, 65.724, 84.344



18, 26.130, 87.006

Inverse Universe

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



37, 109.007, 301.472



39, 113.790, 301.580



33, 126.033, 307.603



47, 5.494, 279.099



27, 87.258, 300.997



5, 31.425, 293.731

Previews

White Background



This preview shows how the CIELCh color 78, 80.741, 83.984 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 78, 80.741, 83.984 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 78, 80.741, 83.984

Background



This preview shows how black text looks on a background with the CIELCh color 78, 80.741, 83.984.



This preview shows how white text looks on a background with the CIELCh color 78, 80.741, 83.984.

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

78, 80.741, 83.984

Protanopia

78, 78.350, 95.132

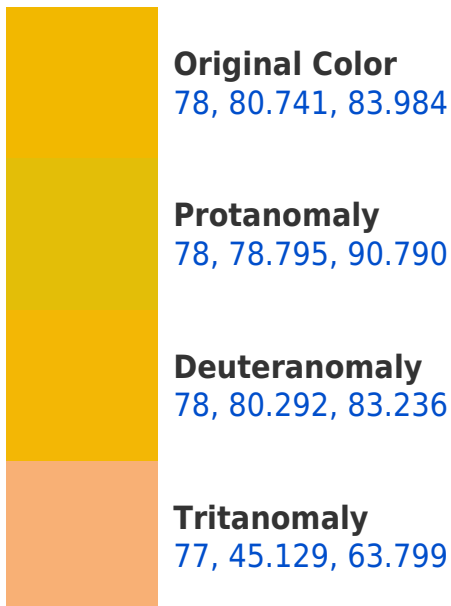
Deuteranopia

78, 80.164, 82.898



Tritanopia
78, 31.526, 9.760

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 80.741, 83.984 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, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 184, 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(242, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 184, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 80.741, 83.984 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, 184, 0) }
```

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

```
.border{ border-color:rgb(242, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 184,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 80.741, 83.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 184, 0) }
```

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

```
.background{ background-color: rgb(242,  
184, 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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