

Converting Colors

CIELCh(80, 83.190, 80.799)

Have a look what the booklet for
CIELCh(80, 83.190, 80.799) contains.

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Color

CIELCh(80, 82.945, 80.978)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA04
RGB	255, 186, 4
RGB Percent	100%, 73%, 2%
CMY	0.0000, 0.2688, 0.9826
CMYK	0.00, 0.27, 0.98, 0.00
HSL	44°, 100%, 51%
HSV	44°, 98%, 100%
XYZ	59.1155, 56.6813, 7.9518
YIQ	185.8830, 99.5460, -41.9740

Conversions

Conversions Part 2

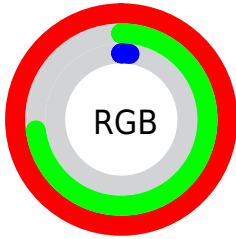
Format	Color
R _Y B	99, 255, 4
Decimal	16759300
CIE Lab	80.00, 13.01, 81.92
CIE LCh	80, 82.945, 80.978
Yxy	56.6813, 0.4777, 0.4580
Android (android.graphics.Color)	4294949380 (0xFFFFBA04)
YUV	185.8830, -89.6683, 60.6156
Hunter-Lab	75.2870, 8.4065, 46.4387

Details

The CIELCh color **80, 82.945, 80.978** 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 **41, 107.087, 299.722**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 75.469, 100.061**, and **60, 66.835, 78.020** is the 20% darker color. If you saturate the color by 10%, you get **80, 83.179, 80.747**, and if you desaturate by 10%, it is **82, 80.095, 83.220**.

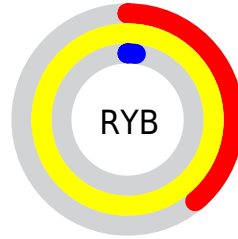
Distribution



Red (100%)

Green (73%)

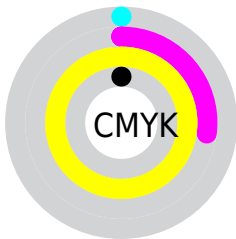
Blue (2%)



Red (39%)

Yellow (100%)

Blue (2%)

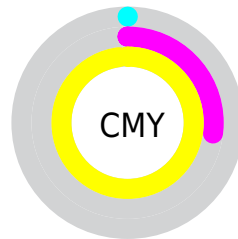


Cyan (0%)

Magenta (27%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 82.945, 80.978 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, 82.945, 80.978 by changing the saturation by 10% instead.

 80, 82.945, 80.978

 80, 82.945, 80.978

 100, 82.945,
80.978

 70, 82.945, 80.978

 60, 82.945, 80.978

 50, 82.945, 80.978

 40, 82.945, 80.978

 30, 82.945, 80.978

 20, 82.945, 80.978

 10, 82.945, 80.978

 0, 82.945, 80.978

 80, 82.945, 80.978

 80, 82.945, 80.978

80, 83.179, 80.747

82, 80.095, 83.220

83, 74.483, 84.984

85, 66.706, 86.547

87, 57.640, 88.003

89, 47.920, 89.400

91, 37.930, 90.757

94, 27.885, 92.078

96, 17.899, 93.360

98, 8.032, 94.590

Harmonies

Complementary

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



80, 82.945, 80.978



41, 107.087, 299.722

Rectangle

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



80, 82.945, 80.978



80, 82.945, 130.978



80, 82.945, 260.978



80, 82.945, 310.978

Sweetspot

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



80, 82.843, 81.128



93, 28.628, 91.981



54, 88.260, 22.881



49, 19.688, 91.421



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, 82.843, 81.128



80, 83.179, 80.747



93, 99.569, 115.693



52, 5.535, 94.441



61, 67.071, 81.190



20, 29.020, 83.785

Inverse Universe

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



41, 107.087, 299.722



41, 108.994, 300.227



34, 130.915, 307.265



50, 5.567, 276.853



30, 86.305, 299.678



7, 34.610, 294.876

Previews

White Background



This preview shows how the CIELCh color 80, 82.945, 80.978 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, 82.945, 80.978 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, 82.945, 80.978

Background



This preview shows how black text looks on a background with the CIELCh color 80, 82.945, 80.978.



This preview shows how white text looks on a background with the CIELCh color 80, 82.945, 80.978.

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, 82.848, 80.962

Protanopia

80, 79.722, 94.997

Deuteranopia

80, 82.691, 82.888



Tritanopia
80, 30.484, 11.212

Trichromacy



Original Color
80, 82.848, 80.962

Protanomaly
80, 80.138, 89.761

Deuteranomaly
80, 82.575, 82.204

Tritanomaly
79, 45.862, 62.812

Monochromacy



Original Color
80, 82.848, 80.962

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 36.674, 90.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 82.945, 80.978 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(255, 186, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 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(255, 186, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 82.945, 80.978 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(255, 186, 4) }
```

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

```
.border{ border-color:rgb(255, 186, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 4);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 82.945, 80.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 4) }
```

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

```
.background{ background-color: rgb(255,  
186, 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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