

Converting Colors

CIELCh(80, 80.209, 80.834)

Have a look what the booklet for
CIELCh(80, 80.209, 80.834) contains.

CIELCh(80, 80.317, 80.891)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(80, 80.317, 80.891)

Conversions

Conversions Part 1

Format	Color
Hex	FFBB18
RGB	255, 187, 24
RGB Percent	100%, 73%, 9%
CMY	0.0013, 0.2678, 0.9040
CMYK	0.00, 0.27, 0.90, 0.00
HSL	42°, 100%, 55%
HSV	42°, 90%, 100%
XYZ	58.9944, 56.6813, 8.7215
YIQ	188.7500, 92.8510, -36.2770

Conversions

Conversions Part 2

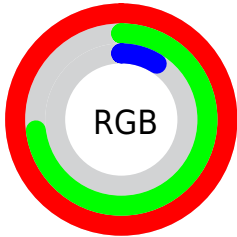
Format	Color
R _Y B	120, 255, 24
Decimal	16759576
CIE Lab	80.00, 12.72, 79.30
CIE LCh	80, 80.317, 80.891
Yxy	56.6813, 0.4742, 0.4556
Android (android.graphics.Color)	4294949656 (0xFFFFBB18)
YUV	188.7500, -81.2217, 58.1013
Hunter-Lab	75.2870, 8.1193, 45.8325

Details

The CIELCh color **80, 80.317, 80.891** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **46, 94.924, 296.080**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 73.156, 100.470**, and **60, 67.108, 78.160** is the 20% darker color. If you saturate the color by 10%, you get **78, 82.741, 78.686**, and if you desaturate by 10%, it is **82, 75.122, 82.822**.

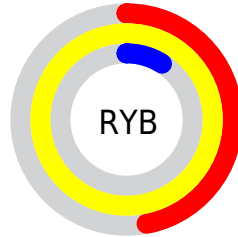
Distribution



Red (100%)

Green (73%)

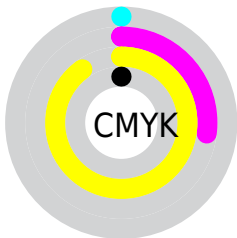
Blue (9%)



Red (47%)

Yellow (100%)

Blue (9%)

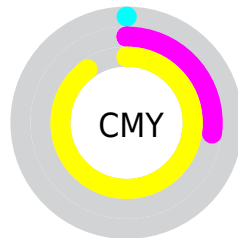


Cyan (0%)

Magenta (27%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 80.317, 80.891 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, 80.317, 80.891 by changing the saturation by 10% instead.

 80, 80.317, 80.891

 80, 80.317, 80.891

 100, 80.317,
80.891

 70, 80.317, 80.891

 60, 80.317, 80.891

 50, 80.317, 80.891

 40, 80.317, 80.891

 30, 80.317, 80.891

 20, 80.317, 80.891

 10, 80.317, 80.891

 0, 80.317, 80.891

 80, 80.317, 80.891

 80, 80.317, 80.891

78, 82.741, 78.686

82, 75.122, 82.822

84, 67.624, 84.484

86, 58.745, 86.002

88, 49.168, 87.441

90, 39.312, 88.832

93, 29.409, 90.182

95, 19.581, 91.493

97, 9.887, 92.754

100, 0.353, 93.278

Harmonies

Complementary

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



80, 80.317, 80.891



46, 94.924, 296.080

Rectangle

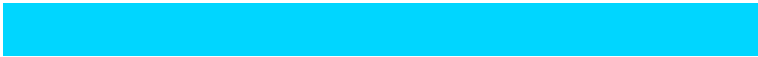
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 80.317, 80.891



80, 80.317, 130.891



80, 80.317, 260.891



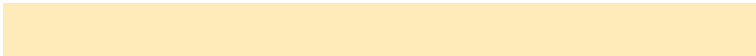
80, 80.317, 310.891

Sweetspot

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



80, 80.316, 80.894



93, 26.098, 90.630



55, 83.982, 17.013



49, 17.628, 90.178



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, 80.316, 80.894



78, 82.824, 78.684



94, 96.925, 114.206



52, 5.414, 92.861



60, 66.768, 79.166



20, 28.656, 81.858

Inverse Universe

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



46, 94.924, 296.080



42, 105.759, 299.251



36, 126.340, 307.043



50, 5.434, 275.311



31, 83.703, 298.672



7, 33.593, 293.809

Previews

White Background



This preview shows how the CIELCh color 80, 80.317, 80.891 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, 80.317, 80.891 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, 80.317, 80.891

Background



This preview shows how black text looks on a background with the CIELCh color 80, 80.317, 80.891.



This preview shows how white text looks on a background with the CIELCh color 80, 80.317, 80.891.

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, 80.492, 80.922

Protanopia

80, 77.470, 94.975

Deuteranopia

80, 80.019, 82.486



Tritanopia
80, 30.068, 11.014

Trichromacy



Original Color
80, 80.492, 80.922

Protanomaly
80, 78.002, 89.973

Deuteranomaly
80, 80.030, 82.169

Tritanomaly
80, 42.698, 60.342

Monochromacy



Original Color
80, 80.492, 80.922

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 33.122, 88.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 80.317, 80.891 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, 187, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 24)  
}
```

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, 187, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 80.317, 80.891 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, 187, 24) }
```

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

```
.border{ border-color:rgb(255, 187, 24) }
```

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

Here you see how a box with a 4 pixel rgb(255, 187, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 80.317, 80.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 24) }
```

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

```
.background{ background-color: rgb(255,  
187, 24) }
```

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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