

Converting Colors

CIELCh(80, 80.069, 80.555)

Have a look what the booklet for
CIELCh(80, 80.069, 80.555) contains.

CIELCh(80, 80.043, 80.471)	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, 80.043, 80.471)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA1B
RGB	255, 186, 27
RGB Percent	100%, 73%, 11%
CMY	0.0000, 0.2692, 0.8956
CMYK	0.00, 0.27, 0.90, 0.00
HSL	42°, 100%, 55%
HSV	42°, 90%, 100%
XYZ	59.2170, 56.6813, 8.8329
YIQ	188.5050, 92.1630, -34.8210

Conversions

Conversions Part 2

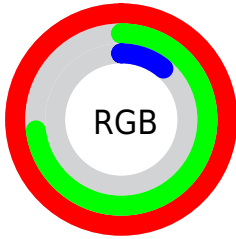
Format	Color
RYB	126, 255, 27
Decimal	16759323
CIELab	80.00, 13.25, 78.94
CIELCh	80, 80.043, 80.471
Yxy	56.6813, 0.4748, 0.4544
Android (android.graphics.Color)	4294949403 (0xFFFFBA1B)
YUV	188.5050, -79.6220, 58.3161
Hunter-Lab	75.2870, 8.6470, 45.7448

Details

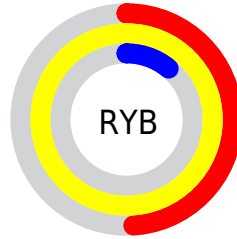
The CIELCh color **80, 80.043, 80.471** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **47, 93.320, 295.504**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 72.021, 100.148**, and **60, 67.062, 77.671** is the 20% darker color. If you saturate the color by 10%, you get **78, 82.659, 78.275**, and if you desaturate by 10%, it is **82, 74.496, 82.514**.

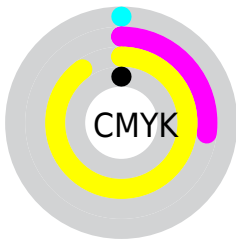
Distribution



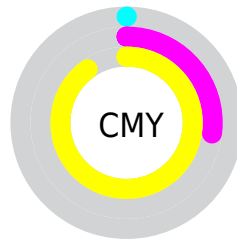
- Red (100%)
- Green (73%)
- Blue (11%)



- Red (49%)
- Yellow (100%)
- Blue (11%)



- 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, 80.043, 80.471 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, 80.043, 80.471 by changing the saturation by 10% instead.

 80, 80.043, 80.471

 80, 80.043, 80.471

 100, 80.043,
80.471

 70, 80.043, 80.471

 60, 80.043, 80.471

 50, 80.043, 80.471

 40, 80.043, 80.471

 30, 80.043, 80.471

 20, 80.043, 80.471

 10, 80.043, 80.471

 0, 80.043, 80.471

 80, 80.043, 80.471

 80, 80.043, 80.471

78, 82.659, 78.275

82, 74.496, 82.514

78, 82.756, 78.171

84, 66.816, 84.175

86, 57.839, 85.694

88, 48.224, 87.136

90, 38.368, 88.528

93, 28.489, 89.881

95, 18.700, 91.192

98, 9.056, 92.452

100, 0.012,
296.813

Harmonies

Complementary

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



80, 80.043, 80.471



47, 93.320, 295.504

Rectangle

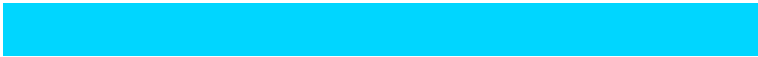
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 80.043, 80.471



80, 80.043, 130.471



80, 80.043, 260.471



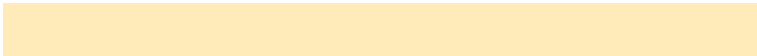
80, 80.043, 310.471

Sweetspot

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



80, 79.962, 80.589



93, 25.971, 90.221



55, 83.274, 15.103



49, 17.545, 89.767



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, 79.962, 80.589



78, 82.756, 78.171



94, 96.387, 113.285



52, 5.385, 92.459



60, 66.708, 78.662



20, 28.571, 81.372

Inverse Universe

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



47, 93.320, 295.504



42, 104.943, 298.996



36, 126.069, 306.828



50, 5.401, 274.918



31, 83.048, 298.409



8, 33.333, 293.522

Previews

White Background



This preview shows how the CIELCh color 80, 80.043, 80.471 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, 80.043, 80.471 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, 80.043, 80.471

Background



This preview shows how black text looks on a background with the CIELCh color 80, 80.043, 80.471.



This preview shows how white text looks on a background with the CIELCh color 80, 80.043, 80.471.

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, 79.856, 80.436

Protanopia

80, 77.058, 94.970

Deuteranopia

80, 79.673, 82.431



Tritanopia
80, 30.484, 11.212

Trichromacy



Original Color
80, 79.856, 80.436

Protanomaly
80, 77.414, 89.562

Deuteranomaly
80, 79.566, 81.721

Tritanomaly
79, 42.703, 59.535

Monochromacy



Original Color
80, 79.856, 80.436

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 32.624, 88.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 80.043, 80.471 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 80.043, 80.471 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, 27) }
```

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

```
.border{ border-color:rgb(255, 186, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 80.043, 80.471 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, 27) }
```

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

```
.background{ background-color: rgb(255,  
186, 27) }
```

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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