

Converting Colors

CIELCh(80, 77.293, 111.388)

Have a look what the booklet for
CIELCh(80, 77.293, 111.388)
contains.

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Color

CIELCh(80, 77.293, 111.388)

Conversions

Conversions Part 1

Format	Color
Hex	B9D22D
RGB	185, 210, 45
RGB Percent	73%, 82%, 18%
CMY	0.2740, 0.1759, 0.8229
CMYK	0.12, 0.00, 0.79, 0.18
HSL	69°, 65%, 50%
HSV	69°, 79%, 82%
XYZ	43.5972, 56.6813, 11.1420
YIQ	183.7150, 38.0650, -56.6150

Conversions

Conversions Part 2

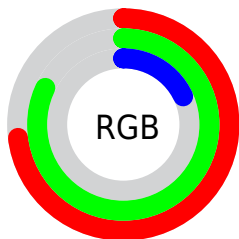
Format	Color
RYB	45, 210, 70
Decimal	12177965
CIELab	80.00, -28.19, 71.97
CIELCh	80, 77.293, 111.388
Yxy	56.6813, 0.3913, 0.5087
Android (android.graphics.Color)	4290368045 (0xFFB9D22D)
YUV	183.7150, -68.3865, 1.1269
Hunter-Lab	75.2870, -28.3863, 43.9263

Details

The CIELCh color **80, 77.293, 111.388** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed chartreuse. A complement of this color would be **34, 98.060, 305.421**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 72.189, 108.236**, and **60, 68.541, 113.439** is the 20% darker color. If you saturate the color by 10%, you get **80, 82.116, 111.513**, and if you desaturate by 10%, it is **80, 70.398, 111.581**.

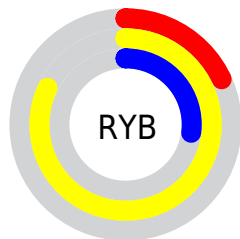
Distribution



Red (73%)

Green (82%)

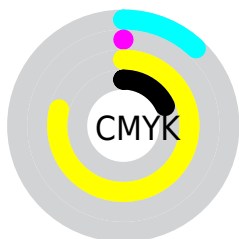
Blue (18%)



Red (18%)

Yellow (82%)

Blue (27%)

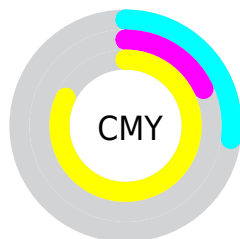


Cyan (12%)

Magenta (0%)

Yellow (79%)

Black (18%)



Cyan (27%)

Magenta (18%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 77.293, 111.388 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, 77.293, 111.388 by changing the saturation by 10% instead.

 80, 77.293,
111.388

 80, 77.293,
111.388

 100, 77.293,
111.388

 70, 77.293,
111.388

 60, 77.293,
111.388

 50, 77.293,
111.388

 40, 77.293,
111.388

 30, 77.293,
111.388

 20, 77.293,
111.388

 10, 77.293,

111.388

■ 0, 77.293, 111.388

■ 80, 77.293,
111.388

■ 80, 77.293,
111.388

■ 80, 82.116,
111.513

■ 80, 70.398,
111.581

■ 79, 84.757,
111.978

■ 81, 61.926,
112.006

■ 79, 85.081,
112.057

■ 81, 52.372,
112.588

■ 82, 42.123,
113.266

■ 82, 31.444,
113.995

■ 83, 20.514,
114.745

■ 84, 9.448, 115.493

■ 84, 1.676, 296.231

■ 85, 12.804,
296.934

Harmonies

Complementary

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



80, 77.293, 111.388



34, 98.060, 305.421

Rectangle

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



80, 77.293, 111.388



80, 77.293, 161.388



80, 77.293, 291.388



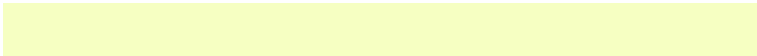
80, 77.293, 341.388

Sweetspot

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



80, 77.293, 111.390



98, 31.053, 114.312



50, 69.860, 39.501



52, 21.289, 114.043



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, 77.293, 111.390



95, 97.220, 111.791



76, 87.864, 131.007



44, 6.278, 115.426



65, 72.088, 111.923



15, 23.764, 113.515

Inverse Universe

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



34, 98.060, 305.421



35, 129.711, 306.685



43, 93.384, 316.724



40, 6.413, 296.852



20, 97.022, 306.936



2, 25.708, 297.049

Previews

White Background



This preview shows how the CIELCh color 80, 77.293, 111.388 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 CIE LCh color 80, 77.293, 111.388 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, 77.293, 111.388

Background



This preview shows how black text looks on a background with the CIELCh color 80, 77.293, 111.388.



This preview shows how white text looks on a background with the CIELCh color 80, 77.293, 111.388.

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, 77.293, 111.388

Protanopia
80, 74.065, 94.886

Deuteranopia
80, 71.048, 81.899



Tritanopia
80, 8.227, 303.433

Trichromacy



Original Color
80, 77.293, 111.388

Protanomaly
80, 74.302, 101.094

Deuteranomaly
79, 70.730, 93.314

Tritanomaly
79, 26.455, 112.937

Monochromacy



Original Color
80, 77.293, 111.388

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 31.971, 114.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 77.293, 111.388 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(185, 210, 45)` looks like.

```
.text, #text, p{  
    color:rgb(185, 210, 45)  
}
```

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(185, 210, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 210, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 77.293, 111.388 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(185, 210, 45) }
```

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

```
.border{ border-color:rgb(185, 210, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 210, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 210, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 210, 45);  
box-shadow:4px 4px 4px 4px rgb(185, 210,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 77.293, 111.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 210, 45) }
```

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

```
.background{ background-color: rgb(185,  
210, 45) }
```

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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