

Converting Colors

CIELCh(78, 78.151, 110.456)

Have a look what the booklet for
CIELCh(78, 78.151, 110.456)
contains.

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Color

CIELCh(78, 78.116, 110.519)

Conversions

Conversions Part 1

Format	Color
Hex	B5CC21
RGB	181, 204, 33
RGB Percent	71%, 80%, 13%
CMY	0.2896, 0.1994, 0.8697
CMYK	0.11, 0.00, 0.84, 0.20
HSL	68°, 72%, 47%
HSV	68°, 84%, 80%
XYZ	41.0001, 53.2120, 9.5655
YIQ	177.6290, 41.1830, -58.0570

Conversions

Conversions Part 2

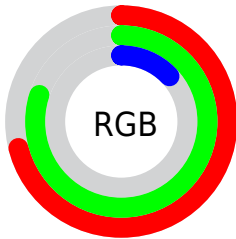
Format	Color
RYB	33, 204, 56
Decimal	11914273
CIELab	78.00, -27.38, 73.16
CIELCh	78, 78.116, 110.519
Yxy	53.2120, 0.3951, 0.5128
Android (android.graphics.Color)	4290104353 (0xFFB5CC21)
YUV	177.6290, -71.3021, 2.9564
Hunter-Lab	72.9466, -27.3295, 43.2879

Details

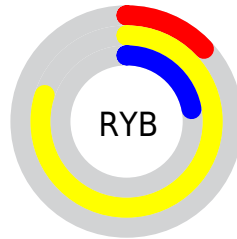
The CIELCh color **78, 78.116, 110.519** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **30, 101.362, 305.763**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 75.489, 109.093**, and **58, 66.505, 113.065** is the 20% darker color. If you saturate the color by 10%, you get **78, 81.647, 110.767**, and if you desaturate by 10%, it is **78, 72.391, 110.605**.

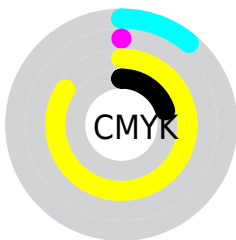
Distribution



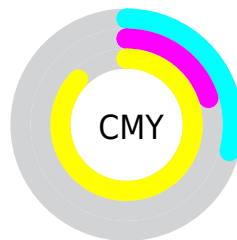
- Red (71%)
- Green (80%)
- Blue (13%)



- Red (13%)
- Yellow (80%)
- Blue (22%)



- Cyan (11%)
- Magenta (0%)
- Yellow (84%)
- Black (20%)





- Cyan (29%)
- Magenta (20%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 78.116, 110.519 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, 78.116, 110.519 by changing the saturation by 10% instead.


 78, 78.116,
110.519


 78, 78.116,
110.519


 100, 78.116,
110.519


 68, 78.116,
110.519


 98, 78.116,
110.519

 58, 78.116,
110.519

 48, 78.116,
110.519

 38, 78.116,
110.519

 28, 78.116,
110.519

 18, 78.116,
110.519

 8, 78.116, 110.519

■ 0, 78.116, 110.519

■ 78, 78.116,
110.519

■ 78, 78.116,
110.519

■ 78, 81.647,
110.767

■ 78, 72.391,
110.605

■ 78, 82.995,
111.052

■ 79, 64.865,
110.954

■ 79, 56.044,
111.491

■ 79, 46.363,
112.149

■ 80, 36.142,
112.878

■ 81, 25.593,
113.641

■ 81, 14.858,
114.413

■ 82, 4.030, 115.175

■ 83, 6.830, 295.923

Harmonies

Complementary

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



78, 78.116, 110.519



30, 101.362, 305.763

Rectangle

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



78, 78.116, 110.519



78, 78.116, 160.519



78, 78.116, 290.519



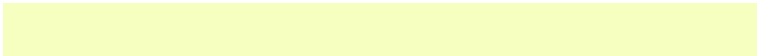
78, 78.116, 340.519

Sweetspot

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



78, 78.116, 110.521



98, 32.281, 113.518



47, 73.823, 39.584



52, 21.976, 113.245



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, 78.116, 110.521



95, 98.167, 111.154



73, 88.951, 130.704



43, 6.143, 114.745



64, 71.061, 110.936



14, 22.135, 113.178

Inverse Universe

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



30, 101.362, 305.763



33, 132.927, 306.700



40, 95.210, 316.134



39, 6.276, 296.213



20, 96.084, 306.835



2, 23.639, 295.916

Previews

White Background



This preview shows how the CIELCh color 78, 78.116, 110.519 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, 78.116, 110.519 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, 78.116, 110.519

Background



This preview shows how black text looks on a background with the CIELCh color 78, 78.116, 110.519.

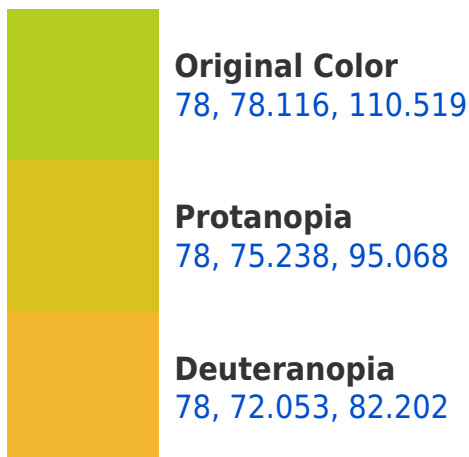



This preview shows how white text looks on a background with the CIELCh color 78, 78.116, 110.519.

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





Tritanopia
78, 8.363, 305.856

Trichromacy



Original Color
78, 78.116, 110.519

Protanomaly
78, 75.562, 100.885

Deuteranomaly
78, 71.996, 93.186

Tritanomaly
77, 27.567, 110.952

Monochromacy



Original Color
78, 78.116, 110.519

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 33.623, 113.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 78.116, 110.519 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(181, 204, 33)` looks like.

```
.text, #text, p{  
    color:rgb(181, 204, 33)  
}
```

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(181, 204, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 204, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 78.116, 110.519 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(181, 204, 33) }
```

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

```
.border{ border-color:rgb(181, 204, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 204, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 204, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 204, 33);  
box-shadow:4px 4px 4px 4px rgb(181, 204,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 78.116, 110.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 204, 33) }
```

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

```
.background{ background-color: rgb(181,  
204, 33) }
```

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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