

Converting Colors

CIELCh(77, 79.761, 106.009)

Have a look what the booklet for
CIELCh(77, 79.761, 106.009)
contains.

CIELCh(77, 79.875, 106.052)	3
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Color

CIELCh(77, 79.875, 106.052)

Conversions

Conversions Part 1

Format	Color
Hex	BDC706
RGB	189, 199, 6
RGB Percent	74%, 78%, 2%
CMY	0.2599, 0.2206, 0.9755
CMYK	0.05, 0.00, 0.97, 0.22
HSL	63°, 94%, 40%
HSV	63°, 97%, 78%
XYZ	41.3214, 51.5317, 7.9477
YIQ	174.0080, 55.9930, -62.1430

Conversions

Conversions Part 2

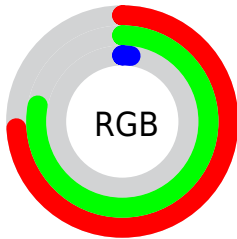
Format	Color
RYB	6, 199, 16
Decimal	12437254
CIELab	77.00, -22.09, 76.76
CIELCh	77, 79.875, 106.052
Yxy	51.5317, 0.4099, 0.5112
Android (android.graphics.Color)	4290627334 (0xFFBDC706)
YUV	174.0080, -82.8279, 13.1480
Hunter-Lab	71.7856, -22.8762, 43.6857

Details

The CIELCh color **77, 79.875, 106.052** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **25, 109.131, 306.186**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.747, 105.879**, and **57, 64.047, 108.646** is the 20% darker color. If you saturate the color by 10%, you get **77, 80.502, 106.079**, and if you desaturate by 10%, it is **77, 77.185, 106.050**.

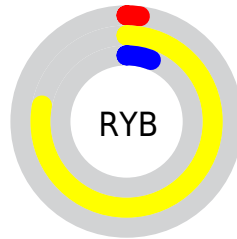
Distribution



Red (74%)

Green (78%)

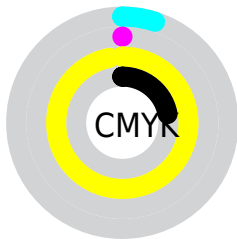
Blue (2%)



Red (2%)

Yellow (78%)

Blue (6%)

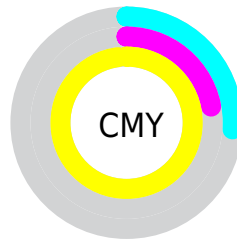


Cyan (5%)

Magenta (0%)

Yellow (97%)

Black (22%)



Cyan (26%)

Magenta (22%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 79.875, 106.052 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 77, 79.875, 106.052 by changing the saturation by 10% instead.


 77, 79.875,
106.052


 77, 79.875,
106.052


 100, 79.875,
106.052


 67, 79.875,
106.052


 97, 79.875,
106.052

 57, 79.875,
106.052

 47, 79.875,
106.052

 37, 79.875,
106.052

 27, 79.875,
106.052

 17, 79.875,
106.052

 7, 79.875, 106.052

■ 0, 79.875, 106.052

■ 77, 79.875,
106.052

■ 77, 79.875,
106.052

■ 77, 80.502,
106.079

■ 77, 77.185,
106.050

■ 77, 72.325,
106.297

■ 77, 65.544,
106.765

■ 78, 57.331,
107.403

■ 78, 48.147,
108.159

■ 78, 38.343,
108.988

■ 79, 28.161,
109.858

■ 79, 17.757,
110.743

■ 80, 7.235, 111.624

Harmonies

Complementary

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



77, 79.875, 106.052



25, 109.131, 306.186

Rectangle

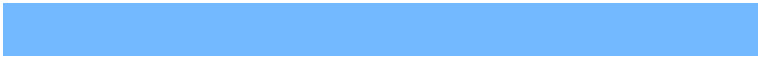
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 79.875, 106.052



77, 79.875, 156.052



77, 79.875, 286.052



77, 79.875, 336.052

Sweetspot

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



77, 79.875, 106.054



98, 37.167, 109.632



42, 84.219, 39.692



52, 25.417, 109.254



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 79.875, 106.054



96, 97.122, 106.127



72, 90.865, 129.378



42, 5.989, 111.403



64, 69.543, 106.034



13, 20.327, 109.095

Inverse Universe

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



25, 109.131, 306.186



32, 133.586, 306.392



33, 101.112, 313.223



38, 6.121, 293.107



19, 95.549, 306.466



1, 21.533, 293.121

Previews

White Background



This preview shows how the CIELCh color 77, 79.875, 106.052 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 77, 79.875, 106.052 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 77, 79.875, 106.052

Background



This preview shows how black text looks on a background with the CIELCh color 77, 79.875, 106.052.



This preview shows how white text looks on a background with the CIELCh color 77, 79.875, 106.052.

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

77, 79.973, 106.040

Protanopia

77, 78.468, 94.989

Deuteranopia

77, 75.295, 82.289



Tritanopia
77, 10.051, 331.845

Trichromacy



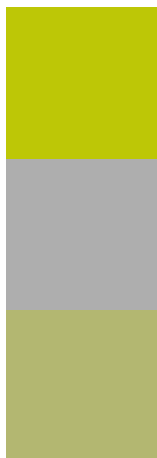
Original Color
77, 79.973, 106.040

Protanomaly
77, 78.562, 98.976

Deuteranomaly
77, 75.560, 91.479

Tritanomaly
76, 32.482, 101.265

Monochromacy



Original Color
77, 79.973, 106.040

Achromatopsia
71, 0.009, 296.813

Achromatomaly
73, 37.173, 109.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 79.875, 106.052 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(189, 199, 6)` looks like.

```
.text, #text, p{  
    color:rgb(189, 199, 6)  
}
```

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(189, 199, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 199, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 79.875, 106.052 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(189, 199, 6) }
```

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

```
.border{ border-color:rgb(189, 199, 6) }
```

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

Here you see how a box with a 4 pixel rgb(189, 199, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 199, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 199, 6);  
box-shadow:4px 4px 4px 4px rgb(189, 199,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 79.875, 106.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 199, 6) }
```

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

```
.background{ background-color: rgb(189,  
199, 6) }
```

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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