

Converting Colors

CIELCh(77, 83.589, 113.320)

Have a look what the booklet for
CIELCh(77, 83.589, 113.320)
contains.

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Color

CIELCh(77, 83.635, 113.465)

Conversions

Conversions Part 1

Format	Color
Hex	A8CC00
RGB	168, 204, 0
RGB Percent	66%, 80%, 0%
CMY	0.3410, 0.1998, 0.9995
CMYK	0.18, 0.00, 1.00, 0.20
HSL	71°, 100%, 40%
HSV	71°, 100%, 80%
XYZ	37.7582, 51.5317, 7.9597
YIQ	169.9800, 44.0280, -71.0760

Conversions

Conversions Part 2

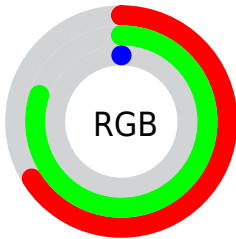
Format	Color
RYB	0, 204, 36
Decimal	11062272
CIELab	77.00, -33.30, 76.72
CIELCh	77, 83.635, 113.465
Yxy	51.5317, 0.3883, 0.5299
Android (android.graphics.Color)	4289252352 (0xFFA8CC00)
YUV	169.9800, -83.8001, -1.7365
Hunter-Lab	71.7856, -31.7363, 43.6758

Details

The CIELCh color **77, 83.635, 113.465** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **26, 111.764, 307.029**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 80.953, 112.190**, and **57, 67.919, 117.673** is the 20% darker color. If you saturate the color by 10%, you get **77, 83.649, 113.471**, and if you desaturate by 10%, it is **77, 81.116, 112.891**.

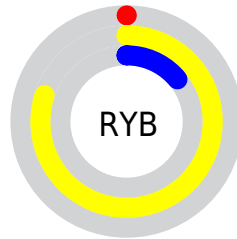
Distribution



Red (66%)

Green (80%)

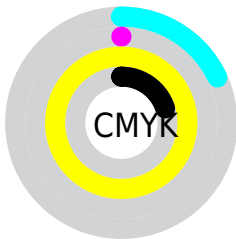
Blue (0%)



Red (0%)

Yellow (80%)

Blue (14%)

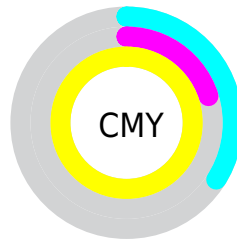


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (34%)

Magenta (20%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 83.635, 113.465 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, 83.635, 113.465 by changing the saturation by 10% instead.

 77, 83.635,
113.465

 77, 83.635,
113.465

 100, 83.635,
113.465

 67, 83.635,
113.465

 97, 83.635,
113.465

 57, 83.635,
113.465

 47, 83.635,
113.465

 37, 83.635,
113.465

 27, 83.635,
113.465

 17, 83.635,
113.465

 7, 83.635, 113.465

■ 0, 83.635, 113.465

■ 77, 83.635,
113.465

■ 77, 83.635,
113.465

■ 77, 83.649,
113.471

■ 77, 81.116,
112.891

■ 78, 76.626,
112.650

■ 78, 70.075,
112.749

■ 78, 61.929,
113.105

■ 79, 52.677,
113.633

■ 79, 42.708,
114.267

■ 80, 32.295,
114.959

■ 81, 21.618,
115.675

■ 81, 10.800,
116.392

Harmonies

Complementary

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



77, 83.635, 113.465



26, 111.764, 307.029

Rectangle

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



77, 83.635, 113.465



77, 83.635, 163.465



77, 83.635, 293.465



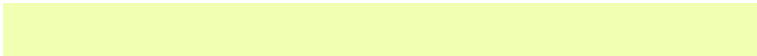
77, 83.635, 343.465

Sweetspot

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



77, 83.635, 113.467



97, 38.773, 114.927



44, 85.123, 42.414



52, 26.365, 114.627



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, 83.635, 113.467



94, 99.003, 113.600



73, 96.860, 132.589



43, 6.166, 116.430



64, 71.636, 113.325



14, 22.295, 115.507

Inverse Universe

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



26, 111.764, 307.029



34, 132.403, 306.955



37, 101.894, 316.269



39, 6.296, 297.786



20, 95.665, 307.122



2, 23.689, 296.992

Previews

White Background



This preview shows how the CIELCh color 77, 83.635, 113.465 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 77, 83.635, 113.465 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, 83.635, 113.465

Background



This preview shows how black text looks on a background with the CIELCh color 77, 83.635, 113.465.



This preview shows how white text looks on a background with the CIELCh color 77, 83.635, 113.465.

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, 83.635, 113.465

Protanopia
77, 78.468, 94.989

Deuteranopia
77, 74.147, 82.433



Tritanopia
77, 8.217, 278.463

Trichromacy



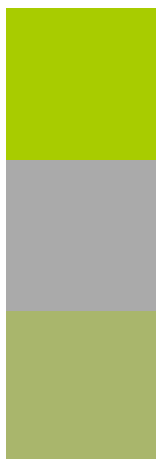
Original Color
77, 83.635, 113.465

Protanomaly
77, 79.195, 102.212

Deuteranomaly
76, 75.317, 94.925

Tritanomaly
76, 34.389, 117.857

Monochromacy



Original Color
77, 83.635, 113.465

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 39.600, 114.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 83.635, 113.465 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(168, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 204, 0)  
}
```

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(168, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 204, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 83.635, 113.465 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(168, 204, 0) }
```

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

```
.border{ border-color:rgb(168, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 204,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 83.635, 113.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 204, 0) }
```

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

```
.background{ background-color: rgb(168,  
204, 0) }
```

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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