

Converting Colors

CIELCh(77, 81.663, 113.216)

Have a look what the booklet for
CIELCh(77, 81.663, 113.216)
contains.

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Color

CIELCh(77, 81.863, 113.226)

Conversions

Conversions Part 1

Format	Color
Hex	AACC0F
RGB	170, 204, 15
RGB Percent	67%, 80%, 6%
CMY	0.3350, 0.2015, 0.9410
CMYK	0.17, 0.00, 0.93, 0.20
HSL	71°, 86%, 43%
HSV	71°, 93%, 80%
XYZ	38.0732, 51.5317, 8.3928
YIQ	172.2880, 40.4050, -65.9870

Conversions

Conversions Part 2

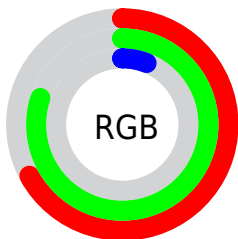
Format	Color
RYB	15, 204, 49
Decimal	11193359
CIELab	77.00, -32.28, 75.23
CIElCh	77, 81.863, 113.226
Yxy	51.5317, 0.3885, 0.5258
Android (android.graphics.Color)	4289383439 (0xFFAACC0F)
YUV	172.2880, -77.5430, -2.0066
Hunter-Lab	71.7856, -30.9532, 43.3180

Details

The CIELCh color **77, 81.863, 113.226** 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 **28, 107.661, 306.869**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 79.399, 111.858**, and **57, 67.675, 116.993** is the 20% darker color. If you saturate the color by 10%, you get **77, 83.587, 113.687**, and if you desaturate by 10%, it is **77, 77.966, 112.873**.

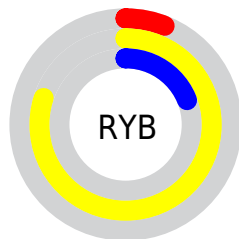
Distribution



Red (67%)

Green (80%)

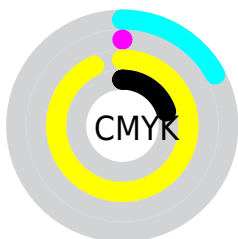
Blue (6%)



Red (6%)

Yellow (80%)

Blue (19%)

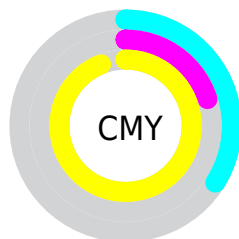


Cyan (17%)

Magenta (0%)

Yellow (93%)

Black (20%)



Cyan (34%)


Magenta (20%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 81.863, 113.226 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, 81.863, 113.226 by changing the saturation by 10% instead.


 77, 81.863,
113.226

 77, 81.863,
113.226


 100, 81.863,
113.226


 67, 81.863,
113.226


 97, 81.863,
113.226

 57, 81.863,
113.226

 47, 81.863,
113.226

 37, 81.863,
113.226

 27, 81.863,
113.226

 17, 81.863,
113.226

 7, 81.863, 113.226

■ 0, 81.863, 113.226

■ 77, 81.863,
113.226

■ 77, 81.863,
113.226

■ 77, 83.587,
113.687

■ 77, 77.966,
112.873

■ 78, 71.927,
112.881

■ 78, 64.162,
113.170

■ 79, 55.171,
113.654

■ 79, 45.373,
114.260

■ 80, 35.069,
114.935

■ 80, 24.462,
115.643

■ 81, 13.687,
116.356

■ 82, 2.831, 117.060

Harmonies

Complementary

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



77, 81.863, 113.226



28, 107.661, 306.869

Rectangle

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



77, 81.863, 113.226



77, 81.863, 163.226



77, 81.863, 293.226



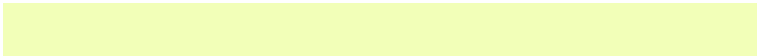
77, 81.863, 343.226

Sweetspot

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



77, 81.863, 113.228



98, 36.252, 115.233



45, 80.044, 41.944



52, 24.951, 114.926



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, 81.863, 113.228



94, 99.089, 113.820



73, 94.108, 132.023



43, 6.168, 116.584



64, 71.696, 113.539



14, 22.311, 115.717

Inverse Universe

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



28, 107.661, 306.869



34, 132.348, 306.982



38, 99.257, 316.730



39, 6.298, 297.930



20, 95.622, 307.152



2, 23.694, 297.090

Previews

White Background



This preview shows how the CIELCh color 77, 81.863, 113.226 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, 81.863, 113.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

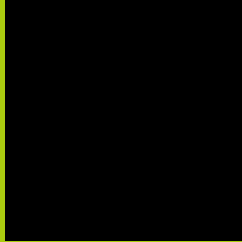
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 81.863, 113.226

Background



This preview shows how black text looks on a background with the CIELCh color 77, 81.863, 113.226.



This preview shows how white text looks on a background with the CIELCh color 77, 81.863, 113.226.

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, 81.985, 113.202

Protanopia

77, 78.158, 94.987

Deuteranopia

77, 73.632, 82.341



Tritanopia
77, 8.115, 283.371

Trichromacy



Original Color
77, 81.985, 113.202

Protanomaly
77, 78.493, 101.945

Deuteranomaly
77, 73.998, 94.564

Tritanomaly
76, 31.726, 117.482

Monochromacy



Original Color
77, 81.985, 113.202

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 36.485, 114.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 81.863, 113.226 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(170, 204, 15)` looks like.

```
.text, #text, p{  
    color:rgb(170, 204, 15)  
}
```

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(170, 204, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 204, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 81.863, 113.226 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(170, 204, 15) }
```

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

```
.border{ border-color:rgb(170, 204, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 204, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 204, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 204, 15);  
box-shadow:4px 4px 4px 4px rgb(170, 204,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 81.863, 113.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 204, 15) }
```

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

```
.background{ background-color: rgb(170,  
204, 15) }
```

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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