

Converting Colors

CIELCh(78, 84.585, 114.673)

Have a look what the booklet for
CIELCh(78, 84.585, 114.673)
contains.

CIELCh(78, 84.714, 114.750)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 84.714, 114.750)

Conversions

Conversions Part 1

Format	Color
Hex	A7D005
RGB	167, 208, 5
RGB Percent	65%, 82%, 2%
CMY	0.3460, 0.1851, 0.9790
CMYK	0.20, 0.00, 0.97, 0.19
HSL	72°, 95%, 42%
HSV	72°, 97%, 81%
XYZ	38.4236, 53.2120, 8.3988
YIQ	172.5990, 40.7270, -71.8250

Conversions

Conversions Part 2

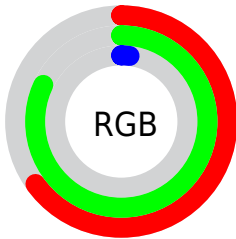
Format	Color
R _Y B	5, 208, 46
Decimal	10997765
CIE Lab	78.00, -35.47, 76.93
CIE LCh	78, 84.714, 114.750
Yxy	53.2120, 0.3841, 0.5319
Android (android.graphics.Color)	4289187845 (0xFFA7D005)
YUV	172.5990, -82.6263, -4.9103
Hunter-Lab	72.9466, -33.6340, 44.2361

Details

The CIELCh color **78, 84.714, 114.750** 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 **27, 111.669, 307.169**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 80.308, 112.590**, and **58, 69.461, 119.067** is the 20% darker color. If you saturate the color by 10%, you get **78, 85.314, 114.935**, and if you desaturate by 10%, it is **78, 81.749, 114.141**.

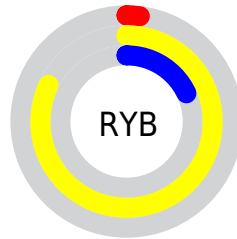
Distribution



Red (65%)

Green (82%)

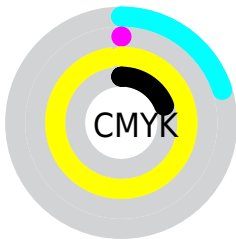
Blue (2%)



Red (2%)

Yellow (82%)

Blue (18%)

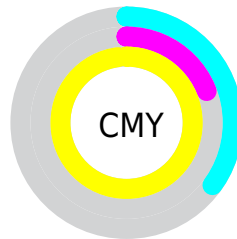


Cyan (20%)

Magenta (0%)

Yellow (97%)

Black (19%)



Cyan (35%)


Magenta (19%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 84.714, 114.750 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, 84.714, 114.750 by changing the saturation by 10% instead.


 78, 84.714,
114.750

 78, 84.714,
114.750

 100, 84.714,
114.750


 68, 84.714,
114.750


 98, 84.714,
114.750

 58, 84.714,
114.750

 48, 84.714,
114.750

 38, 84.714,
114.750

 28, 84.714,
114.750

 18, 84.714,
114.750

 8, 84.714, 114.750

■ 0, 84.714, 114.750

■ 78, 84.714,
114.750

■ 78, 84.714,
114.750

■ 78, 85.314,
114.935

■ 78, 81.749,
114.141

■ 79, 76.582,
113.922

■ 79, 69.431,
114.042

■ 80, 60.793,
114.408

■ 80, 51.146,
114.934

■ 81, 40.853,
115.556

■ 81, 30.165,
116.226

■ 82, 19.248,
116.914

■ 83, 8.213, 117.599

Harmonies

Complementary

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



78, 84.714, 114.750



27, 111.669, 307.169

Rectangle

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



78, 84.714, 114.750



78, 84.714, 164.750



78, 84.714, 294.750



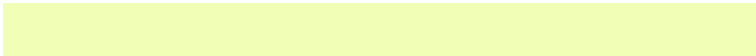
78, 84.714, 344.750

Sweetspot

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



78, 84.714, 114.752



97, 37.620, 116.095



46, 83.490, 43.180



52, 25.733, 115.804



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, 84.714, 114.752



94, 99.611, 115.067



74, 98.134, 133.088



44, 6.309, 117.463



64, 72.876, 114.771



15, 23.986, 116.265

Inverse Universe

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



27, 111.669, 307.169



34, 132.014, 307.150



39, 101.861, 317.445



40, 6.440, 298.759



21, 96.455, 307.328



2, 25.784, 298.328

Previews

White Background



This preview shows how the CIELCh color 78, 84.714, 114.750 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 78, 84.714, 114.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

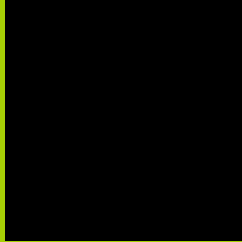
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 84.714, 114.750

Background



This preview shows how black text looks on a background with the CIELCh color 78, 84.714, 114.750.



This preview shows how white text looks on a background with the CIELCh color 78, 84.714, 114.750.

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

78, 84.805, 114.731

Protanopia

78, 79.366, 95.102

Deuteranopia

78, 74.708, 82.289



Tritanopia
78, 8.576, 269.235

Trichromacy



Original Color
78, 84.805, 114.731

Protanomaly
78, 79.902, 102.553

Deuteranomaly
77, 75.594, 95.001

Tritanomaly
77, 34.664, 120.438

Monochromacy



Original Color
78, 84.805, 114.731

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 39.638, 115.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 84.714, 114.750 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(167, 208, 5)` looks like.

```
.text, #text, p{  
    color:rgb(167, 208, 5)  
}
```

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(167, 208, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 208, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 84.714, 114.750 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(167, 208, 5) }
```

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

```
.border{ border-color:rgb(167, 208, 5) }
```

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

Here you see how a box with a 4 pixel rgb(167, 208, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 208, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 208, 5);  
box-shadow:4px 4px 4px 4px rgb(167, 208,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 84.714, 114.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 208, 5) }
```

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

```
.background{ background-color: rgb(167,  
208, 5) }
```

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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