

Converting Colors

CIELCh(78, 84.604, 120.854)

Have a look what the booklet for
CIELCh(78, 84.604, 120.854)
contains.

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Color

CIELCh(78, 84.471, 120.797)

Conversions

Conversions Part 1

Format	Color
Hex	95D320
RGB	149, 211, 32
RGB Percent	58%, 83%, 13%
CMY	0.4148, 0.1717, 0.8732
CMYK	0.29, 0.00, 0.85, 0.17
HSL	81°, 73%, 48%
HSV	81°, 85%, 83%
XYZ	36.0478, 53.2120, 9.7606
YIQ	172.0560, 20.5070, -68.8130

Conversions

Conversions Part 2

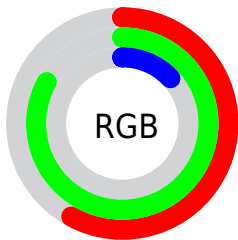
Format	Color
RYB	32, 211, 94
Decimal	9818912
CIELab	78.00, -43.25, 72.56
CIELCh	78, 84.471, 120.797
Yxy	53.2120, 0.3640, 0.5374
Android (android.graphics.Color)	4288008992 (0xFF95D320)
YUV	172.0560, -69.0476, -20.2201
Hunter-Lab	72.9466, -39.4477, 43.1293

Details

The CIELCh color **78, 84.471, 120.797** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **34, 102.377, 309.128**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 78.149, 118.333**, and **58, 73.394, 124.803** is the 20% darker color. If you saturate the color by 10%, you get **78, 88.549, 121.624**, and if you desaturate by 10%, it is **79, 78.187, 120.442**.

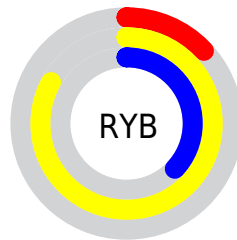
Distribution



Red (58%)

Green (83%)

Blue (13%)



Red (13%)

Yellow (83%)

Blue (37%)

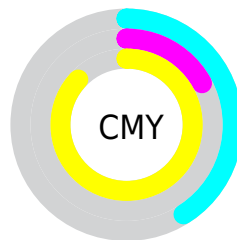


Cyan (29%)

Magenta (0%)

Yellow (85%)

Black (17%)



Cyan (41%)


Magenta (17%)

Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 84.471, 120.797 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, 84.471, 120.797 by changing the saturation by 10% instead.

 78, 84.471,
120.797

 78, 84.471,
120.797

 100, 84.471,
120.797

 68, 84.471,
120.797

 98, 84.471,
120.797

 58, 84.471,
120.797

 48, 84.471,
120.797

 38, 84.471,
120.797

 28, 84.471,
120.797

 18, 84.471,
120.797

 8, 84.471, 120.797

■ 0, 84.471, 120.797

■ 78, 84.471,
120.797

■ 78, 84.471,
120.797

■ 78, 88.549,
121.624

■ 79, 78.187,
120.442

■ 77, 90.069,
122.191

■ 79, 70.065,
120.458

■ 80, 60.615,
120.727

■ 80, 50.284,
121.152

■ 81, 39.401,
121.661

■ 82, 28.193,
122.207

■ 83, 16.813,
122.760

■ 84, 5.365, 123.308

■ 85, 6.081, 303.798

Harmonies

Complementary

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



78, 84.471, 120.797



34, 102.377, 309.128

Rectangle

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



78, 84.471, 120.797



78, 84.471, 170.797



78, 84.471, 300.797



78, 84.471, 350.797

Sweetspot

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



78, 84.471, 120.798



97, 33.251, 122.175



54, 69.670, 50.761



51, 22.650, 121.979



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, 84.471, 120.798



92, 103.948, 122.359



75, 96.525, 134.861



44, 6.440, 123.050



63, 75.921, 121.945



14, 24.891, 123.364

Inverse Universe

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



34, 102.377, 309.128



37, 129.085, 308.790



46, 96.620, 322.347



41, 6.555, 304.050



23, 94.256, 309.052



2, 26.099, 302.188

Previews

White Background



This preview shows how the CIELCh color 78, 84.471, 120.797 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, 84.471, 120.797 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, 84.471, 120.797

Background



This preview shows how black text looks on a background with the CIELCh color 78, 84.471, 120.797.



This preview shows how white text looks on a background with the CIELCh color 78, 84.471, 120.797.

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](#).

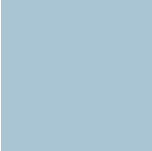
Dichromacy



Original Color
78, 84.471, 120.797

Protanopia
78, 75.785, 95.409

Deuteranopia
78, 70.788, 81.903



Tritanopia
78, 12.304, 239.830

Trichromacy



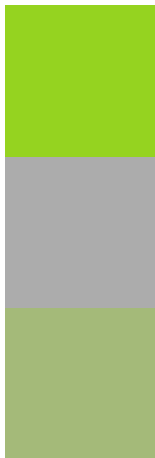
Original Color
78, 84.471, 120.797

Protanomaly
78, 77.004, 105.777

Deuteranomaly
77, 71.139, 98.193

Tritanomaly
77, 33.036, 135.284

Monochromacy



Original Color
78, 84.471, 120.797

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 35.734, 121.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 84.471, 120.797 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(149, 211, 32)` looks like.

```
.text, #text, p{  
    color:rgb(149, 211, 32)  
}
```

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(149, 211, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 211, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 84.471, 120.797 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(149, 211, 32) }
```

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

```
.border{ border-color:rgb(149, 211, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 211, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 211, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 211, 32);  
box-shadow:4px 4px 4px 4px rgb(149, 211,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 84.471, 120.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 211, 32) }
```

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

```
.background{ background-color: rgb(149,  
211, 32) }
```

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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