

Converting Colors

CIELCh(80, 90.920, 120.036)

Have a look what the booklet for
CIELCh(80, 90.920, 120.036)
contains.

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Color

CIELCh(80, 90.971, 120.169)

Conversions

Conversions Part 1

Format	Color
Hex	98DA00
RGB	152, 218, 0
RGB Percent	60%, 85%, 0%
CMY	0.4048, 0.1459, 1.0000
CMYK	0.30, 0.00, 1.00, 0.15
HSL	78°, 100%, 43%
HSV	78°, 100%, 85%
XYZ	37.9174, 56.6813, 8.9219
YIQ	173.4140, 30.6420, -81.7900

Conversions

Conversions Part 2

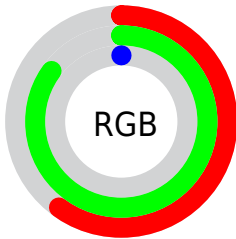
Format	Color
RYB	0, 218, 66
Decimal	10017280
CIELab	80.00, -45.72, 78.65
CIELCh	80, 90.971, 120.169
Yxy	56.6813, 0.3663, 0.5475
Android (android.graphics.Color)	4288207360 (0xFF98DA00)
YUV	173.4140, -85.4931, -18.7801
Hunter-Lab	75.2870, -41.8527, 45.6747

Details

The CIELCh color **80, 90.971, 120.169** 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 **30, 115.363, 308.269**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 81.514, 116.697**, and **60, 76.159, 125.360** is the 20% darker color. If you saturate the color by 10%, you get **80, 90.913, 120.186**, and if you desaturate by 10%, it is **80, 87.914, 119.226**.

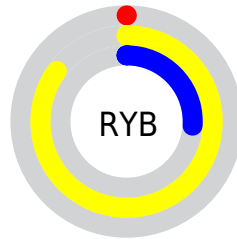
Distribution



Red (60%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (26%)

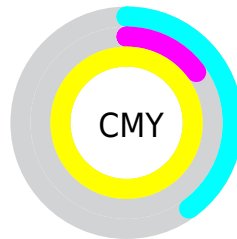


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (40%)


Magenta (15%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 90.971, 120.169 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 80, 90.971, 120.169 by changing the saturation by 10% instead.


 80, 90.971,
120.169


 80, 90.971,
120.169


 100, 90.971,
120.169


 70, 90.971,
120.169

 60, 90.971,
120.169

 50, 90.971,
120.169

 40, 90.971,
120.169

 30, 90.971,
120.169

 20, 90.971,
120.169

 10, 90.971,

120.169

■ 0, 90.971, 120.169

■ 80, 90.971,
120.169

■ 80, 90.971,
120.169

■ 80, 90.913,
120.186

■ 80, 87.914,
119.226

■ 81, 82.849,
118.680

■ 81, 75.637,
118.553

■ 82, 66.763,
118.734

■ 83, 56.738,
119.117

■ 83, 45.971,
119.619

■ 84, 34.749,
120.183

■ 85, 23.265,
120.769

■ 86, 11.649,
121.356

Harmonies

Complementary

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



80, 90.971, 120.169



30, 115.363, 308.269

Rectangle

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



80, 90.971, 120.169



80, 90.971, 170.169



80, 90.971, 300.169



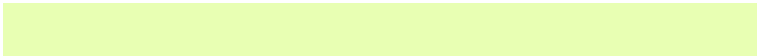
80, 90.971, 350.169

Sweetspot

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



80, 90.913, 120.186



97, 39.486, 120.167



50, 84.270, 47.069



51, 26.862, 119.923



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 90.913, 120.186



92, 102.499, 120.316



76, 104.532, 134.753



46, 6.650, 121.389



65, 76.588, 119.961



17, 27.630, 120.266

Inverse Universe

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



30, 115.363, 308.269



36, 130.092, 308.190



44, 104.578, 320.629



42, 6.776, 302.472



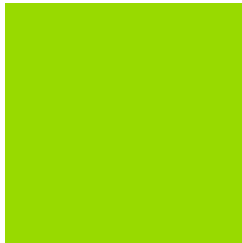
23, 97.145, 308.409



3, 30.196, 302.504

Previews

White Background



This preview shows how the CIELCh color 80, 90.971, 120.169 looks on a white background.

Color Contrast Check

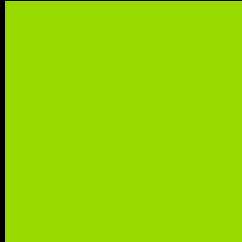
Large Text (above 18pt) WCAG AA × Fail

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 80, 90.971, 120.169 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 80, 90.971, 120.169

Background



This preview shows how black text looks on a background with the CIELCh color 80, 90.971, 120.169.



This preview shows how white text looks on a background with the CIELCh color 80, 90.971, 120.169.

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
80, 90.971, 120.169

Protanopia
80, 80.924, 94.971

Deuteranopia
80, 75.616, 82.022



Tritanopia
80, 13.153, 242.648

Trichromacy



Original Color
80, 90.971, 120.169

Protanomaly
79, 82.315, 105.281

Deuteranomaly
79, 77.196, 97.877

Tritanomaly
79, 39.909, 131.718

Monochromacy



Original Color
80, 90.971, 120.169

Achromatopsia
71, 0.009, 296.813

Achromatomaly
73, 42.752, 119.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 90.971, 120.169 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(152, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 218, 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(152, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 218, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 90.971, 120.169 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(152, 218, 0) }
```

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

```
.border{ border-color:rgb(152, 218, 0) }
```

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

Here you see how a box with a 4 pixel rgb(152, 218, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 218, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 218, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 218,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 90.971, 120.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 218, 0) }
```

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

```
.background{ background-color: rgb(152,  
218, 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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