

Converting Colors

CIELCh(80, 91.596, 120.538)

Have a look what the booklet for
CIELCh(80, 91.596, 120.538)
contains.

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Color

CIELCh(80, 91.232, 120.611)

Conversions

Conversions Part 1

Format	Color
Hex	96DA00
RGB	150, 218, 0
RGB Percent	59%, 85%, 0%
CMY	0.4114, 0.1447, 0.9988
CMYK	0.31, 0.00, 1.00, 0.14
HSL	79°, 100%, 43%
HSV	79°, 100%, 86%
XYZ	37.6897, 56.6813, 8.9621
YIQ	172.8160, 29.4500, -82.2140

Conversions

Conversions Part 2

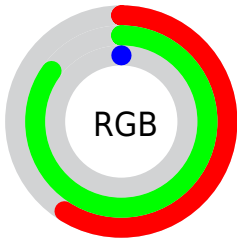
Format	Color
RYB	0, 218, 68
Decimal	9886208
CIELab	80.00, -46.46, 78.52
CIELCh	80, 91.232, 120.611
Yxy	56.6813, 0.3647, 0.5485
Android (android.graphics.Color)	4288076288 (0xFF96DA00)
YUV	172.8160, -85.1983, -20.0096
Hunter-Lab	75.2870, -42.3926, 45.6430

Details

The CIELCh color **80, 91.232, 120.611** 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, 115.232, 308.390**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 81.707, 117.225**, and **60, 76.467, 125.828** is the 20% darker color. If you saturate the color by 10%, you get **80, 91.270, 120.627**, and if you desaturate by 10%, it is **80, 88.178, 119.638**.

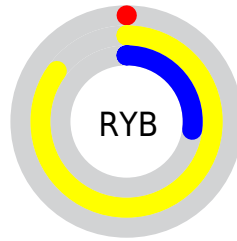
Distribution



Red (59%)

Green (85%)

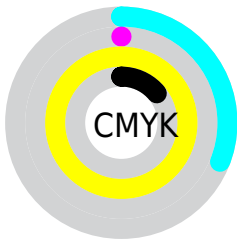
Blue (0%)



Red (0%)

Yellow (85%)

Blue (27%)

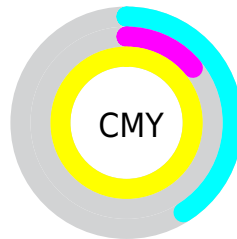


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (41%)


Magenta (14%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 91.232, 120.611 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, 91.232, 120.611 by changing the saturation by 10% instead.


 80, 91.232,
120.611


 80, 91.232,
120.611


 100, 91.232,
120.611


 70, 91.232,
120.611

 60, 91.232,
120.611

 50, 91.232,
120.611

 40, 91.232,
120.611

 30, 91.232,
120.611

 20, 91.232,
120.611

 10, 91.232,

120.611

■ 0, 91.232, 120.611

■ 80, 91.232,
120.611

■ 80, 91.232,
120.611

■ 80, 91.270,
120.627

■ 80, 88.178,
119.638

■ 81, 83.042,
119.084

■ 81, 75.765,
118.950

■ 82, 66.833,
119.126

■ 83, 56.759,
119.504

■ 83, 45.947,
120.000

■ 84, 34.684,
120.557

■ 85, 23.164,
121.137

■ 86, 11.515,
121.715

Harmonies

Complementary

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



80, 91.232, 120.611



30, 115.232, 308.390

Rectangle

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



80, 91.232, 120.611



80, 91.232, 170.611



80, 91.232, 300.611



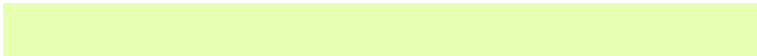
80, 91.232, 350.611

Sweetspot

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



80, 91.232, 120.612



97, 39.551, 120.534



50, 84.263, 47.076



51, 26.907, 120.293



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, 91.232, 120.612



92, 102.796, 120.758



77, 104.602, 134.750



46, 6.660, 121.740



65, 76.802, 120.397



17, 27.696, 120.694

Inverse Universe

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



30, 115.232, 308.390



36, 129.888, 308.308



44, 104.653, 320.635



42, 6.784, 302.806



23, 96.991, 308.532



3, 30.227, 302.774

Previews

White Background



This preview shows how the CIELCh color 80, 91.232, 120.611 looks on a white background.

Color Contrast Check

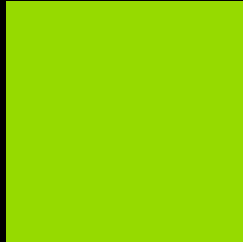
Large Text (above 18pt) WCAG AA × Fail

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, 91.232, 120.611 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, 91.232, 120.611

Background



This preview shows how black text looks on a background with the CIELCh color 80, 91.232, 120.611.



This preview shows how white text looks on a background with the CIELCh color 80, 91.232, 120.611.

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](#).

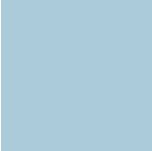
Dichromacy



Original Color
80, 91.232, 120.611

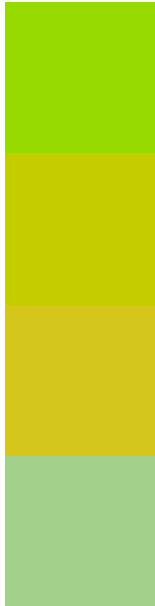
Protanopia
80, 80.924, 94.971

Deuteranopia
80, 75.348, 81.974



Tritanopia
80, 13.549, 237.994

Trichromacy



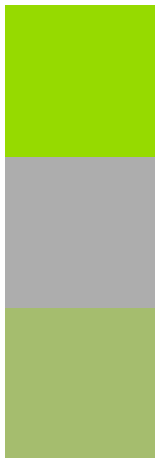
Original Color
80, 91.232, 120.611

Protanomaly
79, 82.340, 105.582

Deuteranomaly
79, 76.962, 98.210

Tritanomaly
79, 40.247, 132.646

Monochromacy



Original Color
80, 91.232, 120.611

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, 91.232, 120.611 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(150, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 218, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 91.232, 120.611 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(150, 218, 0) }
```

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

```
.border{ border-color:rgb(150, 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(150, 218, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 218, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 218, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 218,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 91.232, 120.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 218, 0) }
```

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

```
.background{ background-color: rgb(150,  
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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