

Converting Colors

CIELCh(80, 89.650, 118.471)

Have a look what the booklet for
CIELCh(80, 89.650, 118.471)
contains.

CIELCh(80, 89.813, 118.636)	3
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Color

CIELCh(80, 89.813, 118.636)

Conversions

Conversions Part 1

Format	Color
Hex	9ED900
RGB	158, 217, 0
RGB Percent	62%, 85%, 0%
CMY	0.3818, 0.1503, 1.0000
CMYK	0.27, 0.00, 1.00, 0.15
HSL	76°, 100%, 42%
HSV	76°, 100%, 85%
XYZ	38.7503, 56.6813, 8.8670
YIQ	174.6210, 34.4930, -79.9950

Conversions

Conversions Part 2

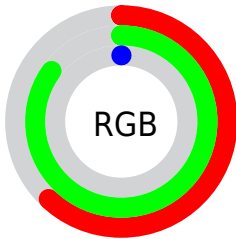
Format	Color
RYB	0, 217, 59
Decimal	10410240
CIELab	80.00, -43.04, 78.83
CIELCh	80, 89.813, 118.636
Yxy	56.6813, 0.3715, 0.5435
Android (android.graphics.Color)	4288600320 (0xFF9ED900)
YUV	174.6210, -86.0882, -14.5766
Hunter-Lab	75.2870, -39.8781, 45.7179

Details

The CIELCh color **80, 89.813, 118.636** 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 **29, 115.494, 307.898**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 80.979, 115.084**, and **60, 74.655, 123.468** is the 20% darker color. If you saturate the color by 10%, you get **80, 89.721, 118.660**, and if you desaturate by 10%, it is **80, 86.849, 117.770**.

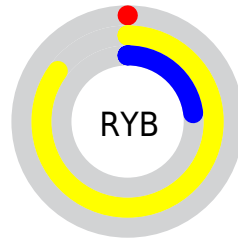
Distribution



Red (62%)

Green (85%)

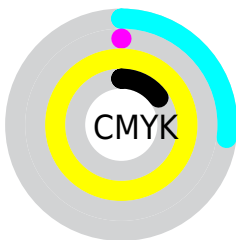
Blue (0%)



Red (0%)

Yellow (85%)

Blue (23%)

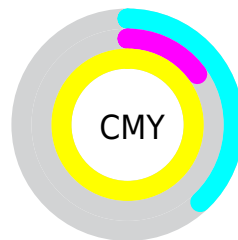


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (38%)


Magenta (15%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 89.813, 118.636 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, 89.813, 118.636 by changing the saturation by 10% instead.


 80, 89.813,
118.636

 80, 89.813,
118.636


 100, 89.813,
118.636


 70, 89.813,
118.636

 60, 89.813,
118.636

 50, 89.813,
118.636

 40, 89.813,
118.636

 30, 89.813,
118.636

 20, 89.813,
118.636

 10, 89.813,

118.636

■ 0, 89.813, 118.636

■ 80, 89.813,
118.636

■ 80, 89.813,
118.636

■ 80, 89.721,
118.660

■ 80, 86.849,
117.770

■ 81, 81.911,
117.280

■ 81, 74.826,
117.195

■ 82, 66.077,
117.409

■ 82, 56.176,
117.820

■ 83, 45.529,
118.349

■ 84, 34.425,
118.939

■ 85, 23.054,
119.553

■ 86, 11.547,
120.167

Harmonies

Complementary

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



80, 89.813, 118.636



29, 115.494, 307.898

Rectangle

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



80, 89.813, 118.636



80, 89.813, 168.636



80, 89.813, 298.636



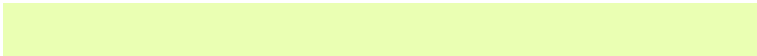
80, 89.813, 348.636

Sweetspot

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



80, 89.721, 118.660



97, 39.282, 118.922



49, 85.400, 45.607



51, 26.720, 118.667



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, 89.721, 118.660



93, 101.538, 118.787



76, 103.560, 134.333



45, 6.493, 120.203



64, 75.062, 118.438



16, 25.918, 119.269

Inverse Universe

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



29, 115.494, 307.898



35, 130.745, 307.822



43, 104.716, 319.469



41, 6.619, 301.344



22, 96.566, 308.035



2, 27.999, 300.825

Previews

White Background



This preview shows how the CIELCh color 80, 89.813, 118.636 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 80, 89.813, 118.636 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, 89.813, 118.636

Background



This preview shows how black text looks on a background with the CIELCh color 80, 89.813, 118.636.



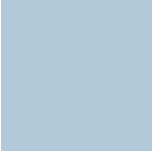
This preview shows how white text looks on a background with the CIELCh color 80, 89.813, 118.636.

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](#).

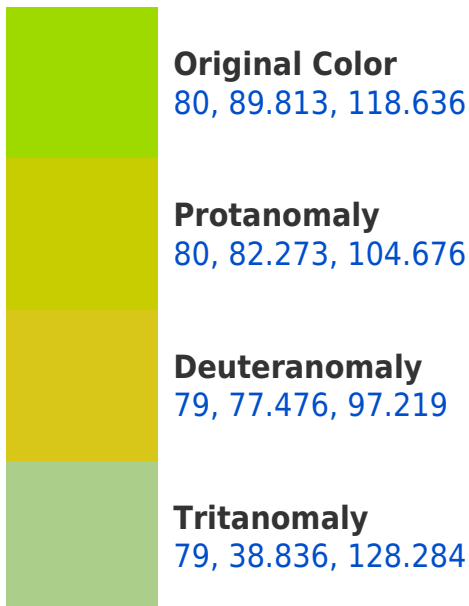
Dichromacy





Tritanopia
80, 11.446, 247.403

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 89.813, 118.636 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(158, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 217, 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(158, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 217, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 89.813, 118.636 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(158, 217, 0) }
```

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

```
.border{ border-color:rgb(158, 217, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 217, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 217,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 89.813, 118.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 217, 0) }
```

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

```
.background{ background-color: rgb(158,  
217, 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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