

Converting Colors

CIELCh(80, 88.047, 119.395)

Have a look what the booklet for
CIELCh(80, 88.047, 119.395)
contains.

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Color

CIELCh(80, 88.132, 119.322)

Conversions

Conversions Part 1

Format	Color
Hex	9DD912
RGB	157, 217, 18
RGB Percent	62%, 85%, 7%
CMY	0.3853, 0.1500, 0.9277
CMYK	0.28, 0.00, 0.91, 0.15
HSL	78°, 84%, 46%
HSV	78°, 91%, 85%
XYZ	38.7134, 56.6813, 9.4907
YIQ	176.3740, 28.1190, -74.6090

Conversions

Conversions Part 2

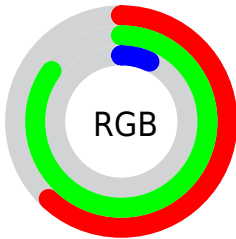
Format	Color
RYB	18, 217, 78
Decimal	10344722
CIELab	80.00, -43.16, 76.84
CIELCh	80, 88.132, 119.322
Yxy	56.6813, 0.3691, 0.5404
Android (android.graphics.Color)	4288534802 (0xFF9DD912)
YUV	176.3740, -78.0784, -16.9910
Hunter-Lab	75.2870, -39.9654, 45.2268

Details

The CIELCh color **80, 88.132, 119.322** 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 **32, 110.411, 308.410**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 79.254, 115.725**, and **60, 74.806, 123.727** is the 20% darker color. If you saturate the color by 10%, you get **80, 90.572, 120.158**, and if you desaturate by 10%, it is **80, 83.427, 118.710**.

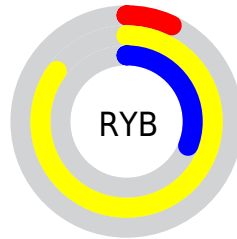
Distribution



Red (62%)

Green (85%)

Blue (7%)



Red (7%)

Yellow (85%)

Blue (31%)

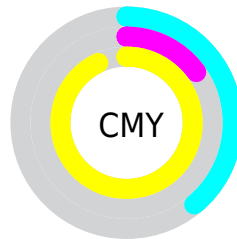


Cyan (28%)

Magenta (0%)

Yellow (91%)

Black (15%)



Cyan (39%)


Magenta (15%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 88.132, 119.322 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, 88.132, 119.322 by changing the saturation by 10% instead.


 80, 88.132,
119.322

 80, 88.132,
119.322


 100, 88.132,
119.322


 70, 88.132,
119.322

 60, 88.132,
119.322

 50, 88.132,
119.322

 40, 88.132,
119.322

 30, 88.132,
119.322

 20, 88.132,
119.322

 10, 88.132,

119.322

■ 0, 88.132, 119.322

■ 80, 88.132,
119.322

■ 80, 88.132,
119.322

■ 80, 90.572,
120.158

■ 80, 83.427,
118.710

■ 81, 76.533,
118.528

■ 82, 67.905,
118.671

■ 82, 58.061,
119.030

■ 83, 47.425,
119.520

■ 84, 36.300,
120.077

■ 85, 24.891,
120.663

■ 85, 13.335,
121.250

■ 86, 1.723, 121.847

Harmonies

Complementary

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



80, 88.132, 119.322



32, 110.411, 308.410

Rectangle

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



80, 88.132, 119.322



80, 88.132, 169.322



80, 88.132, 299.322



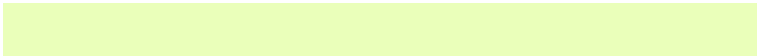
80, 88.132, 349.322

Sweetspot

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



80, 88.132, 119.324



97, 35.593, 120.324



52, 78.066, 48.048



51, 23.938, 120.123



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, 88.132, 119.324



92, 102.483, 120.292



76, 101.298, 134.437



46, 6.650, 121.370



65, 76.577, 119.938



17, 27.626, 120.243

Inverse Universe

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



32, 110.411, 308.410



36, 130.103, 308.184



45, 101.865, 321.027



42, 6.775, 302.454



23, 97.154, 308.403



3, 30.194, 302.490

Previews

White Background



This preview shows how the CIELCh color 80, 88.132, 119.322 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, 88.132, 119.322 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, 88.132, 119.322

Background



This preview shows how black text looks on a background with the CIELCh color 80, 88.132, 119.322.



This preview shows how white text looks on a background with the CIELCh color 80, 88.132, 119.322.

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](#).

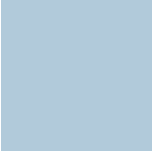
Dichromacy



Original Color
80, 88.258, 119.290

Protanopia
80, 80.342, 94.967

Deuteranopia
80, 74.796, 81.872



Tritanopia
80, 11.885, 245.001

Trichromacy



Original Color
80, 88.258, 119.290

Protanomaly
80, 81.239, 104.784

Deuteranomaly
79, 75.340, 97.584

Tritanomaly
79, 35.663, 131.013

Monochromacy



Original Color
80, 88.258, 119.290

Achromatopsia
72, 0.009, 296.813

Achromatomaly
74, 39.053, 119.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 88.132, 119.322 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(157, 217, 18)` looks like.

```
.text, #text, p{  
    color:rgb(157, 217, 18)  
}
```

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(157, 217, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 217, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 88.132, 119.322 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(157, 217, 18) }
```

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

```
.border{ border-color:rgb(157, 217, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 217, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 217, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 217, 18);  
box-shadow:4px 4px 4px 4px rgb(157, 217,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 88.132, 119.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 217, 18) }
```

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

```
.background{ background-color: rgb(157,  
217, 18) }
```

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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