

Converting Colors

CIELCh(78, 87.298, 118.539)

Have a look what the booklet for
CIELCh(78, 87.298, 118.539)
contains.

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Color

CIELCh(78, 87.121, 118.433)

Conversions

Conversions Part 1

Format	Color
Hex	9AD205
RGB	154, 210, 5
RGB Percent	60%, 82%, 2%
CMY	0.3945, 0.1749, 0.9793
CMYK	0.27, 0.00, 0.97, 0.17
HSL	76°, 95%, 42%
HSV	76°, 97%, 83%
XYZ	36.5786, 53.2120, 8.4940
YIQ	169.8860, 32.4290, -75.6270

Conversions

Conversions Part 2

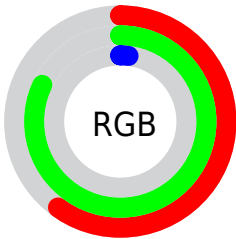
Format	Color
RYB	5, 210, 61
Decimal	10146309
CIELab	78.00, -41.48, 76.61
CIELCh	78, 87.121, 118.433
Yxy	53.2120, 0.3722, 0.5414
Android (android.graphics.Color)	4288336389 (0xFF9AD205)
YUV	169.8860, -81.2888, -13.9320
Hunter-Lab	72.9466, -38.1486, 44.1588

Details

The CIELCh color **78, 87.121, 118.433** 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, 111.653, 307.924**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 81.329, 116.164**, and **58, 72.190, 123.323** is the 20% darker color. If you saturate the color by 10%, you get **78, 87.770, 118.664**, and if you desaturate by 10%, it is **78, 83.904, 117.623**.

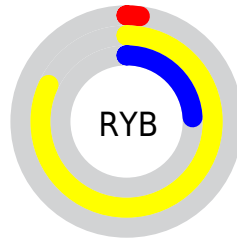
Distribution



Red (60%)

Green (82%)

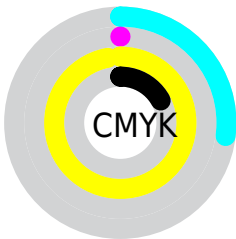
Blue (2%)



Red (2%)

Yellow (82%)

Blue (24%)

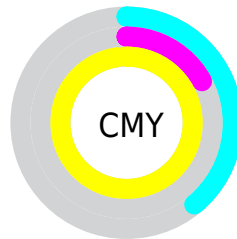


Cyan (27%)

Magenta (0%)

Yellow (97%)

Black (17%)



Cyan (39%)

Magenta (17%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 87.121, 118.433 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, 87.121, 118.433 by changing the saturation by 10% instead.


 78, 87.121,
118.433


 78, 87.121,
118.433


 100, 87.121,
118.433


 68, 87.121,
118.433


 98, 87.121,
118.433

 58, 87.121,
118.433

 48, 87.121,
118.433

 38, 87.121,
118.433

 28, 87.121,
118.433

 18, 87.121,
118.433

 8, 87.121, 118.433

■ 0, 87.121, 118.433

■ 78, 87.121,
118.433

■ 78, 87.121,
118.433

■ 78, 87.770,
118.664

■ 78, 83.904,
117.623

■ 79, 78.488,
117.249

■ 79, 71.088,
117.252

■ 80, 62.203,
117.526

■ 80, 52.311,
117.973

■ 81, 41.775,
118.521

■ 82, 30.849,
119.118

■ 83, 19.701,
119.733

■ 84, 8.444, 120.343

Harmonies

Complementary

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



78, 87.121, 118.433



29, 111.653, 307.924

Rectangle

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



78, 87.121, 118.433



78, 87.121, 168.433



78, 87.121, 298.433



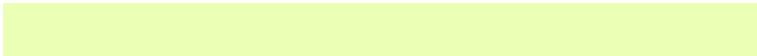
78, 87.121, 348.433

Sweetspot

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



78, 87.121, 118.435



97, 37.999, 119.007



48, 81.741, 45.761



51, 25.999, 118.747



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, 87.121, 118.435



93, 101.555, 118.816



74, 100.483, 134.210



44, 6.366, 120.227



64, 74.238, 118.451



15, 24.382, 119.868

Inverse Universe

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



29, 111.653, 307.924



35, 130.733, 307.828



42, 101.739, 319.616



41, 6.489, 301.364



22, 95.478, 308.051



2, 25.913, 300.098

Previews

White Background



This preview shows how the CIELCh color 78, 87.121, 118.433 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 78, 87.121, 118.433 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, 87.121, 118.433

Background



This preview shows how black text looks on a background with the CIELCh color 78, 87.121, 118.433.



This preview shows how white text looks on a background with the CIELCh color 78, 87.121, 118.433.

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](#).

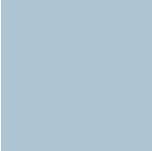
Dichromacy



Original Color
78, 87.032, 118.455

Protanopia
78, 79.366, 95.102

Deuteranopia
78, 74.190, 82.196



Tritanopia
78, 10.896, 246.730

Trichromacy



Original Color
78, 87.032, 118.455

Protanomaly
77, 80.253, 104.436

Deuteranomaly
77, 75.153, 97.056

Tritanomaly
77, 36.818, 128.382

Monochromacy



Original Color
78, 87.032, 118.455

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 40.630, 118.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 87.121, 118.433 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(154, 210, 5)` looks like.

```
.text, #text, p{  
    color:rgb(154, 210, 5)  
}
```

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(154, 210, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 210, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 87.121, 118.433 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(154, 210, 5) }
```

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

```
.border{ border-color:rgb(154, 210, 5) }
```

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

Here you see how a box with a 4 pixel rgb(154, 210, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 210, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 210, 5);  
box-shadow:4px 4px 4px 4px rgb(154, 210,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 87.121, 118.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 210, 5) }
```

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

```
.background{ background-color: rgb(154,  
210, 5) }
```

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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