

Converting Colors

CIELCh(82, 90.443, 117.742)

Have a look what the booklet for
CIELCh(82, 90.443, 117.742)
contains.

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Color

CIELCh(82, 90.443, 117.742)

Conversions

Conversions Part 1

Format	Color
Hex	A6DE05
RGB	166, 222, 5
RGB Percent	65%, 87%, 2%
CMY	0.3494, 0.1298, 0.9815
CMYK	0.25, 0.00, 0.98, 0.13
HSL	75°, 96%, 44%
HSV	75°, 98%, 87%
XYZ	41.8267, 60.2982, 9.5686
YIQ	180.5180, 36.2810, -79.3590

Conversions

Conversions Part 2

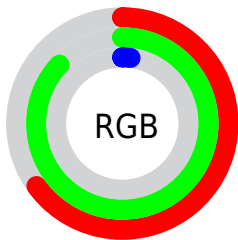
Format	Color
RYB	5, 222, 61
Decimal	10935813
CIELab	82.00, -42.10, 80.05
CIELCh	82, 90.443, 117.742
Yxy	60.2982, 0.3745, 0.5399
Android (android.graphics.Color)	4289125893 (0xFFA6DE05)
YUV	180.5180, -86.5304, -12.7323
Hunter-Lab	77.6519, -39.7430, 47.0504

Details

The CIELCh color **82, 90.443, 117.742** 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, 116.785, 307.727**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 79.222, 112.777**, and **62, 75.645, 122.235** is the 20% darker color. If you saturate the color by 10%, you get **82, 90.975, 117.936**, and if you desaturate by 10%, it is **82, 87.296, 116.936**.

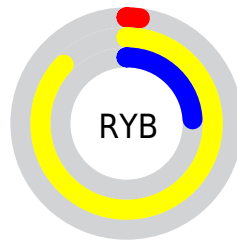
Distribution



Red (65%)

Green (87%)

Blue (2%)



Red (2%)

Yellow (87%)

Blue (24%)

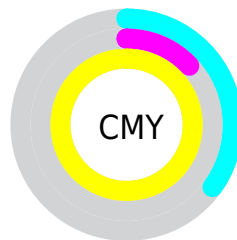


Cyan (25%)

Magenta (0%)

Yellow (98%)

Black (13%)



Cyan (35%)


Magenta (13%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 90.443, 117.742 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 82, 90.443, 117.742 by changing the saturation by 10% instead.


 82, 90.443,
117.742


 82, 90.443,
117.742


 100, 90.443,
117.742


 72, 90.443,
117.742

 62, 90.443,
117.742

 52, 90.443,
117.742

 42, 90.443,
117.742

 32, 90.443,
117.742

 22, 90.443,
117.742

 12, 90.443,

117.742

■ 2, 90.443, 117.742

■ 0, 90.443, 117.742

■ 82, 90.443,
117.742

■ 82, 90.443,
117.742

■ 82, 90.975,
117.936

■ 82, 87.296,
116.936

■ 83, 81.846,
116.562

■ 83, 74.282,
116.566

■ 84, 65.124,
116.845

■ 84, 54.881,

117.301

■ 85, 43.943,
117.861

■ 86, 32.582,
118.473

■ 87, 20.980,
119.104

■ 88, 9.256, 119.732

Harmonies

Complementary

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



82, 90.443, 117.742



30, 116.785, 307.727

Rectangle

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



82, 90.443, 117.742



82, 90.443, 167.742



82, 90.443, 297.742



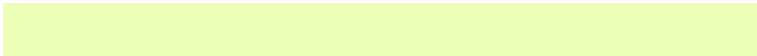
82, 90.443, 347.742

Sweetspot

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



82, 90.443, 117.744



97, 37.909, 118.389



50, 86.224, 44.967



51, 25.936, 118.123



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 90.443, 117.744



93, 101.105, 118.040



78, 104.457, 134.008



47, 6.732, 119.634



66, 76.412, 117.732



18, 28.776, 117.706

Inverse Universe

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



30, 116.785, 307.727



35, 131.035, 307.663



44, 106.325, 319.011



43, 6.866, 300.813



23, 98.942, 307.850



3, 32.171, 302.102

Previews

White Background



This preview shows how the CIELCh color 82, 90.443, 117.742 looks on a white background.

Color Contrast Check

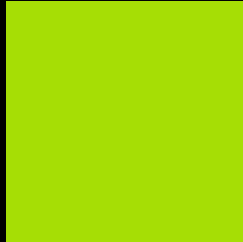
Large Text (above 18pt) WCAG AA × Fail

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 82, 90.443, 117.742 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 82, 90.443, 117.742

Background



This preview shows how black text looks on a background with the CIELCh color 82, 90.443, 117.742.



This preview shows how white text looks on a background with the CIELCh color 82, 90.443, 117.742.

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
82, 90.443, 117.742

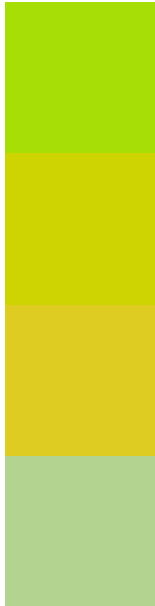
Protanopia
82, 82.704, 95.185

Deuteranopia
82, 74.386, 82.093



Tritanopia
82, 11.170, 253.155

Trichromacy



Original Color
82, 90.443, 117.742

Protanomaly
82, 83.870, 104.350

Deuteranomaly
81, 77.441, 97.086

Tritanomaly
81, 37.768, 127.045

Monochromacy



Original Color
82, 90.443, 117.742

Achromatopsia
73, 0.009, 296.813

Achromatomaly
76, 42.184, 117.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 90.443, 117.742 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(166, 222, 5)` looks like.

```
.text, #text, p{  
    color:rgb(166, 222, 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(166, 222, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 222, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 90.443, 117.742 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(166, 222, 5) }
```

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

```
.border{ border-color:rgb(166, 222, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 222, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 222, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 222, 5);  
box-shadow:4px 4px 4px 4px rgb(166, 222,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 90.443, 117.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 222, 5) }
```

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

```
.background{ background-color: rgb(166,  
222, 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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