

Converting Colors

CIELCh(82, 85.951, 119.013)

Have a look what the booklet for
CIELCh(82, 85.951, 119.013)
contains.

CIELCh(82, 85.973, 119.096)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 85.973, 119.096)

Conversions

Conversions Part 1

Format	Color
Hex	A5DE26
RGB	165, 222, 38
RGB Percent	65%, 87%, 15%
CMY	0.3535, 0.1299, 0.8516
CMYK	0.26, 0.00, 0.83, 0.13
HSL	79°, 74%, 51%
HSV	79°, 83%, 87%
XYZ	41.9237, 60.2982, 11.2476
YIQ	183.9810, 25.0920, -69.3080

Conversions

Conversions Part 2

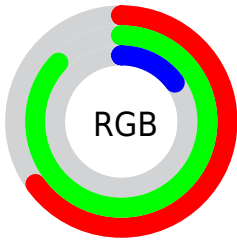
Format	Color
RYB	38, 222, 95
Decimal	10870310
CIELab	82.00, -41.81, 75.12
CIELCh	82, 85.973, 119.096
Yxy	60.2982, 0.3695, 0.5314
Android (android.graphics.Color)	4289060390 (0xFFA5DE26)
YUV	183.9810, -71.9686, -16.6463
Hunter-Lab	77.6519, -39.5199, 45.7684

Details

The CIELCh color **82, 85.973, 119.096** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **36, 105.380, 308.393**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 74.408, 114.267**, and **62, 75.791, 122.499** is the 20% darker color. If you saturate the color by 10%, you get **82, 90.421, 119.799**, and if you desaturate by 10%, it is **83, 79.246, 118.844**.

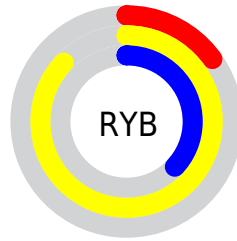
Distribution



Red (65%)

Green (87%)

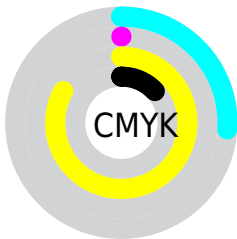
Blue (15%)



Red (15%)

Yellow (87%)

Blue (37%)

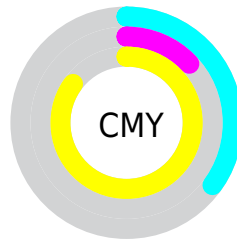


Cyan (26%)

Magenta (0%)

Yellow (83%)

Black (13%)



Cyan (35%)

Magenta (13%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 85.973, 119.096 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, 85.973, 119.096 by changing the saturation by 10% instead.

■ 82, 85.973,
119.096

■ 82, 85.973,
119.096

■ 100, 85.973,
119.096

■ 72, 85.973,
119.096

■ 62, 85.973,
119.096

■ 52, 85.973,
119.096

■ 42, 85.973,
119.096

■ 32, 85.973,
119.096

■ 22, 85.973,
119.096

■ 12, 85.973,

119.096

■ 2, 85.973, 119.096

■ 0, 85.973, 119.096

■ 82, 85.973,
119.096

■ 82, 85.973,
119.096

■ 82, 90.421,
119.799

■ 83, 79.246,
118.844

■ 81, 92.395,
120.522

■ 83, 70.669,
118.938

■ 84, 60.774,
119.264

■ 84, 50.016,
119.733

■ 85, 38.719,

120.279

■ 86, 27.108,
120.857

■ 87, 15.330,
121.440

■ 88, 3.486, 122.020

■ 89, 8.355, 302.540

Harmonies

Complementary

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



82, 85.973, 119.096



36, 105.380, 308.393

Rectangle

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



82, 85.973, 119.096



82, 85.973, 169.096



82, 85.973, 299.096



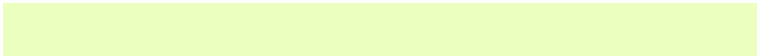
82, 85.973, 349.096

Sweetspot

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



82, 85.973, 119.098



97, 33.028, 120.726



56, 72.055, 48.580



52, 22.495, 120.520



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, 85.973, 119.098



92, 102.714, 120.638



78, 98.535, 134.328



47, 6.784, 121.642



66, 77.585, 120.294



18, 29.143, 120.177

Inverse Universe

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



36, 105.380, 308.393



36, 129.944, 308.276



48, 99.619, 321.279



43, 6.911, 302.716



23, 98.101, 308.488



3, 32.358, 303.588

Previews

White Background



This preview shows how the CIELCh color 82, 85.973, 119.096 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, 85.973, 119.096 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, 85.973, 119.096

Background



This preview shows how black text looks on a background with the CIELCh color 82, 85.973, 119.096.



This preview shows how white text looks on a background with the CIELCh color 82, 85.973, 119.096.

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](#).

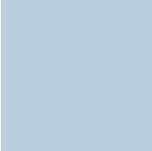
Dichromacy



Original Color
82, 85.973, 119.096

Protanopia
82, 78.259, 95.154

Deuteranopia
82, 73.119, 81.850



Tritanopia
82, 11.368, 251.795

Trichromacy



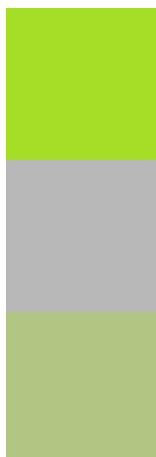
Original Color
82, 85.973, 119.096

Protanomaly
82, 79.291, 104.807

Deuteranomaly
81, 73.696, 97.455

Tritanomaly
81, 32.186, 131.531

Monochromacy



Original Color
82, 85.973, 119.096

Achromatopsia
75, 0.009, 296.813

Achromatomaly
77, 36.258, 120.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 85.973, 119.096 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(165, 222, 38)` looks like.

```
.text, #text, p{  
    color:rgb(165, 222, 38)  
}
```

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(165, 222, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 222, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 85.973, 119.096 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(165, 222, 38) }
```

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

```
.border{ border-color:rgb(165, 222, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 222, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 222, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 222, 38);  
box-shadow:4px 4px 4px 4px rgb(165, 222,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 85.973, 119.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 222, 38) }
```

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

```
.background{ background-color: rgb(165,  
222, 38) }
```

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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