

Converting Colors

CIELCh(79, 99.506, 134.641)

Have a look what the booklet for
CIELCh(79, 99.506, 134.641)
contains.

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Color

CIELCh(79, 99.382, 134.607)

Conversions

Conversions Part 1

Format	Color
Hex	49E027
RGB	73, 224, 39
RGB Percent	29%, 88%, 15%
CMY	0.7133, 0.1212, 0.8465
CMYK	0.67, 0.00, 0.83, 0.12
HSL	109°, 75%, 52%
HSV	109°, 83%, 88%
XYZ	29.8049, 54.9284, 10.9614
YIQ	157.7610, -30.6110, -89.5470

Conversions

Conversions Part 2

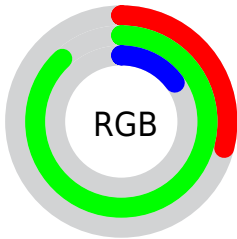
Format	Color
RYB	39, 224, 190
Decimal	4841511
CIELab	79.00, -69.79, 70.75
CIElCh	79, 99.382, 134.607
Yxy	54.9284, 0.3115, 0.5740
Android (android.graphics.Color)	4283031591 (0xFF49E027)
YUV	157.7610, -58.5492, -74.3354
Hunter-Lab	74.1137, -57.9151, 43.1106

Details

The CIELCh color **79, 99.382, 134.607** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **49, 100.049, 321.817**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 85.488, 133.856**, and **60, 87.244, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **79, 104.678, 134.700**, and if you desaturate by 10%, it is **80, 91.473, 134.892**.

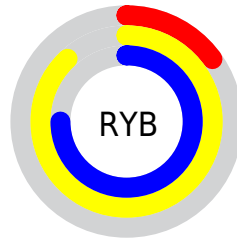
Distribution



Red (29%)

Green (88%)

Blue (15%)



Red (15%)

Yellow (88%)

Blue (75%)

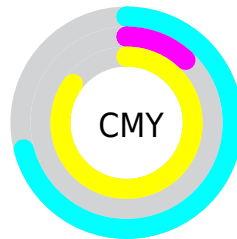


Cyan (67%)

Magenta (0%)

Yellow (83%)

Black (12%)



Cyan (71%)


Magenta (12%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 99.382, 134.607 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 79, 99.382, 134.607 by changing the saturation by 10% instead.


 79, 99.382,
134.607

 79, 99.382,
134.607


 100, 99.382,
134.607

 69, 99.382,
134.607

 99, 99.382,
134.607

 59, 99.382,
134.607

 49, 99.382,
134.607

 39, 99.382,
134.607

 29, 99.382,
134.607

 19, 99.382,
134.607

 9, 99.382, 134.607

■ 0, 99.382, 134.607

■ 79, 99.382,
134.607

■ 79, 99.382,
134.607

■ 79, 104.678,
134.700

■ 80, 91.473,
134.892

■ 78, 107.075,
134.946

■ 80, 81.443,
135.436

■ 81, 69.881,
136.112

■ 82, 57.300,
136.822

■ 84, 44.101,
137.508

■ 85, 30.581,
138.139

■ 87, 16.963,
138.705

■ 89, 3.407, 139.250

■ 91, 9.974, 319.582

Harmonies

Complementary

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



79, 99.382, 134.607



49, 100.049, 321.817

Rectangle

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



79, 99.382, 134.607



79, 99.382, 184.607



79, 99.382, 314.607



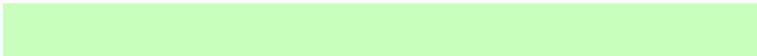
79, 99.382, 4.607

Sweetspot

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



79, 99.382, 134.608



95, 37.674, 137.978



77, 72.298, 90.234



50, 25.696, 137.756



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 99.382, 134.608



88, 117.857, 134.975



79, 86.133, 144.248



46, 7.678, 138.869



63, 89.208, 134.806



17, 33.666, 136.149

Inverse Universe

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



49, 100.049, 321.817



53, 117.322, 321.198



52, 81.057, 342.048



44, 7.718, 319.700



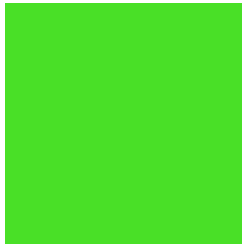
36, 88.943, 321.302



6, 35.482, 321.958

Previews

White Background



This preview shows how the CIELCh color 79, 99.382, 134.607 looks on a white background.

Color Contrast Check

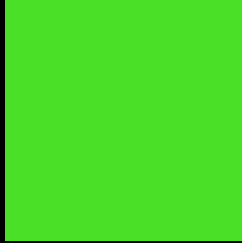
Large Text (above 18pt) WCAG AA × Fail

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 79, 99.382, 134.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

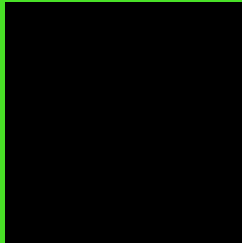
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

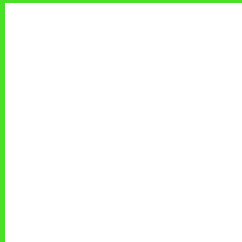
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 99.382, 134.607

Background



This preview shows how black text looks on a background with the CIELCh color 79, 99.382, 134.607.

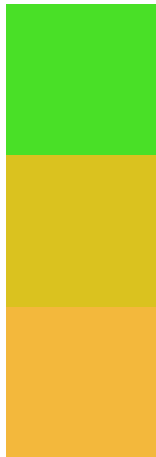


This preview shows how white text looks on a background with the CIELCh color 79, 99.382, 134.607.

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

79, 99.382, 134.607

Protanopia

78, 75.350, 95.105

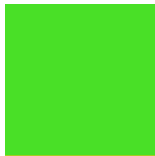
Deuteranopia

78, 68.096, 81.437



Tritanopia
79, 28.875, 214.958

Trichromacy



Original Color
79, 99.382, 134.607



Protanomaly
77, 79.604, 115.549



Deuteranomaly
77, 70.939, 109.999



Tritanomaly
78, 49.144, 157.903

Monochromacy



Original Color
79, 99.382, 134.607



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 42.121, 137.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 99.382, 134.607 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(73, 224, 39)` looks like.

```
.text, #text, p{  
    color:rgb(73, 224, 39)  
}
```

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(73, 224, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 224, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 99.382, 134.607 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(73, 224, 39) }
```

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

```
.border{ border-color:rgb(73, 224, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 224, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 224, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 224, 39);  
box-shadow:4px 4px 4px 4px rgb(73, 224,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 99.382, 134.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 224, 39) }
```

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

```
.background{ background-color: rgb(73, 224,  
39) }
```

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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