

Converting Colors

CIELCh(78, 100.221, 135.624)

Have a look what the booklet for
CIELCh(78, 100.221, 135.624)
contains.

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Color

CIELCh(78, 100.216, 135.639)

Conversions

Conversions Part 1

Format	Color
Hex	3BDE26
RGB	59, 222, 38
RGB Percent	23%, 87%, 15%
CMY	0.7696, 0.1301, 0.8518
CMYK	0.74, 0.00, 0.83, 0.13
HSL	113°, 74%, 51%
HSV	113°, 83%, 87%
XYZ	28.2102, 53.2120, 10.5983
YIQ	152.2870, -38.0840, -91.7800

Conversions

Conversions Part 2

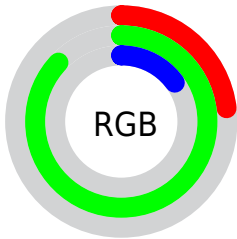
Format	Color
RYB	38, 222, 201
Decimal	3923494
CIELab	78.00, -71.65, 70.07
CIELCh	78, 100.216, 135.639
Yxy	53.2120, 0.3066, 0.5783
Android (android.graphics.Color)	4282113574 (0xFF3BDE26)
YUV	152.2870, -56.3435, -81.8127
Hunter-Lab	72.9466, -58.6262, 42.4484

Details

The CIELCh color **78, 100.216, 135.639** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **51, 99.195, 324.141**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.446, 135.293**, and **59, 86.472, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **78, 105.107, 135.493**, and if you desaturate by 10%, it is **79, 92.609, 136.138**.

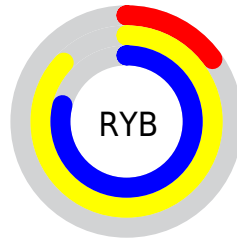
Distribution



Red (23%)

Green (87%)

Blue (15%)



Red (15%)

Yellow (87%)

Blue (79%)

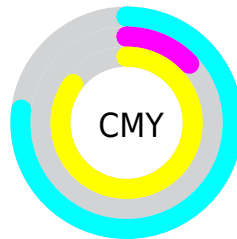


Cyan (74%)

Magenta (0%)

Yellow (83%)

Black (13%)



Cyan (77%)


Magenta (13%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 100.216, 135.639 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, 100.216, 135.639 by changing the saturation by 10% instead.


 78, 100.216,
135.639


 78, 100.216,
135.639


 100, 100.216,
135.639


 68, 100.216,
135.639


 98, 100.216,
135.639

 58, 100.216,
135.639

 48, 100.216,
135.639

 38, 100.216,
135.639

 28, 100.216,
135.639

 18, 100.216,
135.639

 8, 100.216,

135.639

■ 0, 100.216,
135.639

■ 78, 100.216,
135.639

■ 78, 100.216,
135.639

■ 78, 105.107,
135.493

■ 79, 92.609,
136.138

■ 77, 107.099,
135.532

■ 79, 82.758,
136.869

■ 80, 71.252,
137.701

■ 81, 58.624,
138.538

■ 83, 45.299,
139.324

■ 84, 31.606,
140.032

■ 86, 17.793,
140.657

■ 88, 4.042, 141.240

■ 90, 9.517, 321.609

Harmonies

Complementary

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



78, 100.216, 135.639



51, 99.195, 324.141

Rectangle

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



78, 100.216, 135.639



78, 100.216, 185.639



78, 100.216, 315.639



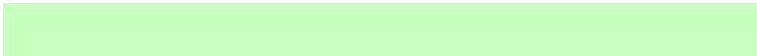
78, 100.216, 5.639

Sweetspot

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



78, 100.216, 135.640



95, 38.520, 139.882



80, 75.714, 96.167



50, 26.271, 139.634



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, 100.216, 135.640



88, 119.058, 135.576



78, 80.095, 147.300



45, 7.700, 140.861



62, 88.989, 135.432



15, 32.681, 138.073

Inverse Universe

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



51, 99.195, 324.141



55, 116.533, 323.749



51, 76.764, 347.514



43, 7.728, 321.754



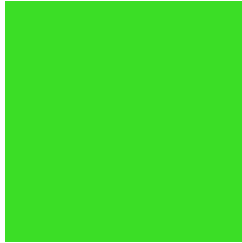
38, 87.247, 323.853



6, 34.071, 324.220

Previews

White Background



This preview shows how the CIELCh color 78, 100.216, 135.639 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, 100.216, 135.639 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, 100.216, 135.639

Background



This preview shows how black text looks on a background with the CIELCh color 78, 100.216, 135.639.

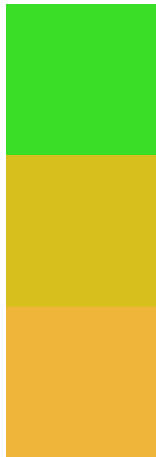


This preview shows how white text looks on a background with the CIELCh color 78, 100.216, 135.639.

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, 100.216, 135.639

Protanopia

77, 75.052, 95.368

Deuteranopia

77, 67.205, 81.464



Tritanopia
78, 29.955, 215.380

Trichromacy



Original Color
78, 100.216, 135.639



Protanomaly
76, 79.923, 116.982



Deuteranomaly
75, 70.475, 111.797



Tritanomaly
77, 50.479, 159.572

Monochromacy



Original Color
78, 100.216, 135.639



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 43.111, 138.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 100.216, 135.639 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(59, 222, 38)` looks like.

```
.text, #text, p{  
    color:rgb(59, 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(59, 222, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 222, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 100.216, 135.639 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(59, 222, 38) }
```

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

```
.border{ border-color:rgb(59, 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(59, 222, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 222, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 222, 38);  
box-shadow:4px 4px 4px 4px rgb(59, 222,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 100.216, 135.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 222, 38) }
```

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

```
.background{ background-color: rgb(59, 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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