

Converting Colors

CIELCh(78, 107.436, 135.122)

Have a look what the booklet for
CIELCh(78, 107.436, 135.122)
contains.

CIELCh(78, 107.102, 135.242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(78, 107.102, 135.242)

Conversions

Conversions Part 1

Format	Color
Hex	22DF01
RGB	34, 223, 1
RGB Percent	13%, 87%, 0%
CMY	0.8651, 0.1248, 0.9979
CMYK	0.85, 0.00, 1.00, 0.12
HSL	111°, 100%, 44%
HSV	111°, 100%, 88%
XYZ	27.1078, 53.2120, 8.8569
YIQ	141.1810, -41.3820, -109.1100

Conversions

Conversions Part 2

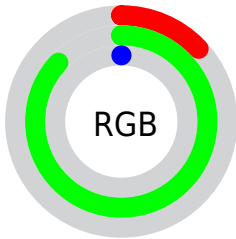
Format	Color
RYB	1, 223, 190
Decimal	2285313
CIELab	78.00, -76.05, 75.41
CIELCh	78, 107.102, 135.242
Yxy	53.2120, 0.3040, 0.5967
Android (android.graphics.Color)	4280475393 (0xFF22DF01)
YUV	141.1810, -69.1092, -93.9977
Hunter-Lab	72.9466, -61.3238, 43.8638

Details

The CIELCh color **78, 107.102, 135.242** 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 **47, 105.766, 322.361**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 94.409, 134.936**, and **59, 86.858, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **78, 107.168, 135.245**, and if you desaturate by 10%, it is **78, 103.722, 135.056**.

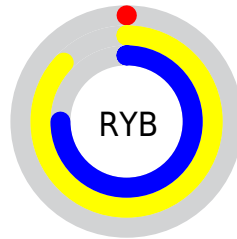
Distribution



Red (13%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (75%)

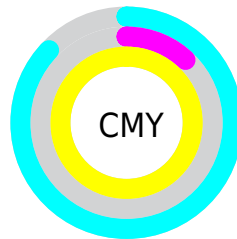


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (87%)


Magenta (12%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 107.102, 135.242 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, 107.102, 135.242 by changing the saturation by 10% instead.


 78, 107.102,
135.242


 78, 107.102,
135.242


 100, 107.102,
135.242


 68, 107.102,
135.242


 98, 107.102,
135.242

 58, 107.102,
135.242

 48, 107.102,
135.242

 38, 107.102,
135.242

 28, 107.102,
135.242

 18, 107.102,
135.242

 8, 107.102,

135.242

■ 0, 107.102,
135.242

■ 78, 107.102,
135.242

■ 78, 107.102,
135.242

■ 78, 107.168,
135.245

■ 78, 103.722,
135.056

■ 79, 97.773,
135.185

■ 79, 89.279,
135.651

■ 80, 78.784,
136.323

■ 81, 66.870,
137.081

■ 82, 54.026,
137.840

■ 84, 40.632,
138.552

■ 85, 26.976,
139.194

■ 87, 13.268,
139.766

Harmonies

Complementary

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



78, 107.102, 135.242



47, 105.766, 322.361

Rectangle

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



78, 107.102, 135.242



78, 107.102, 185.242



78, 107.102, 315.242



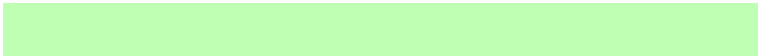
78, 107.102, 5.242

Sweetspot

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



78, 107.101, 135.243



94, 45.636, 138.520



77, 78.402, 90.570



50, 31.089, 138.224



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, 107.101, 135.243



88, 118.611, 135.298



78, 94.026, 141.985



46, 7.754, 139.782



63, 89.587, 135.126



16, 33.921, 136.726

Inverse Universe

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



47, 105.766, 322.361



54, 117.055, 322.310



49, 81.582, 347.681



44, 7.788, 320.640



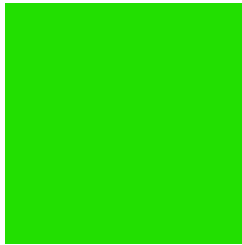
37, 88.577, 322.439



6, 35.615, 323.063

Previews

White Background



This preview shows how the CIE LCh color 78, 107.102, 135.242 looks on a white background.

Color Contrast Check

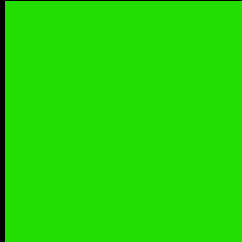
Large Text (above 18pt) WCAG AA × Fail

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 78, 107.102, 135.242 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, 107.102, 135.242

Background



This preview shows how black text looks on a background with the CIELCh color 78, 107.102, 135.242.



This preview shows how white text looks on a background with the CIELCh color 78, 107.102, 135.242.

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, 107.025, 135.270

Protanopia

77, 79.067, 95.065

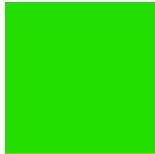
Deuteranopia

77, 71.083, 81.910



Tritanopia
78, 31.927, 214.110

Trichromacy



Original Color

78, 107.025, 135.270



Protanomaly

76, 85.137, 118.028



Deuteranomaly

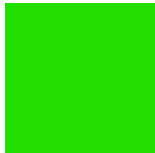
75, 76.524, 113.277



Tritanomaly

77, 58.228, 155.721

Monochromacy



Original Color

78, 107.025, 135.270



Achromatopsia

59, 0.008, 296.813



Achromatomaly

64, 51.546, 137.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 107.102, 135.242 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(34, 223, 1)` looks like.

```
.text, #text, p{  
    color:rgb(34, 223, 1)  
}
```

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(34, 223, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 223, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 107.102, 135.242 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(34, 223, 1) }
```

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

```
.border{ border-color:rgb(34, 223, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 223, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 223, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 223, 1);  
box-shadow:4px 4px 4px 4px rgb(34, 223, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 78, 107.102, 135.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 223, 1) }
```

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

```
.background{ background-color: rgb(34, 223,  
1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor