

Converting Colors

CIELCh(78, 106.614, 135.153)

Have a look what the booklet for
CIELCh(78, 106.614, 135.153)
contains.

CIELCh(78, 106.638, 135.164)	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, 106.638, 135.164)

Conversions

Conversions Part 1

Format	Color
Hex	26DF03
RGB	38, 223, 3
RGB Percent	15%, 87%, 1%
CMY	0.8507, 0.1254, 0.9877
CMYK	0.83, 0.00, 0.99, 0.13
HSL	110°, 97%, 44%
HSV	110°, 99%, 87%
XYZ	27.2146, 53.2120, 8.9256
YIQ	142.6050, -39.6400, -107.6400

Conversions

Conversions Part 2

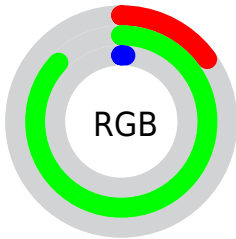
Format	Color
RYB	3, 223, 188
Decimal	2547459
CIELab	78.00, -75.62, 75.19
CIELCh	78, 106.638, 135.164
Yxy	53.2120, 0.3046, 0.5955
Android (android.graphics.Color)	4280737539 (0xFF26DF03)
YUV	142.6050, -68.8253, -91.7386
Hunter-Lab	72.9466, -61.0624, 43.8079

Details

The CIELCh color **78, 106.638, 135.164** 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, 105.537, 322.159**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 94.112, 134.676**, and **59, 86.858, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **78, 107.034, 135.185**, and if you desaturate by 10%, it is **78, 103.005, 134.962**.

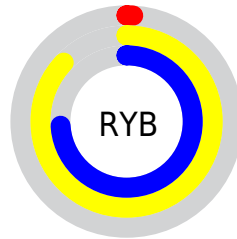
Distribution



Red (15%)

Green (87%)

Blue (1%)



Red (1%)

Yellow (87%)

Blue (74%)

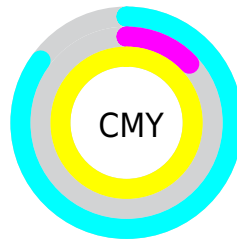


Cyan (83%)

Magenta (0%)

Yellow (99%)

Black (13%)



Cyan (85%)


Magenta (13%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 106.638, 135.164 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, 106.638, 135.164 by changing the saturation by 10% instead.


 78, 106.638,
135.164


 78, 106.638,
135.164


 100, 106.638,
135.164


 68, 106.638,
135.164


 98, 106.638,
135.164

 58, 106.638,
135.164

 48, 106.638,
135.164

 38, 106.638,
135.164

 28, 106.638,
135.164

 18, 106.638,
135.164

 8, 106.638,

135.164

■ 0, 106.638,
135.164

■ 78, 106.638,
135.164

■ 78, 106.638,
135.164

■ 78, 107.034,
135.185

■ 78, 103.005,
134.962

■ 79, 96.723,
135.112

■ 79, 87.961,
135.588

■ 80, 77.281,
136.260

■ 81, 65.254,
137.008

■ 82, 52.356,
137.752

■ 84, 38.952,
138.447

■ 85, 25.316,
139.075

■ 87, 11.650,
139.635

Harmonies

Complementary

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



78, 106.638, 135.164



47, 105.537, 322.159

Rectangle

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



78, 106.638, 135.164



78, 106.638, 185.164



78, 106.638, 315.164



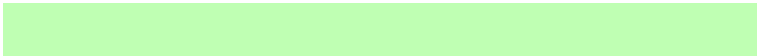
78, 106.638, 5.164

Sweetspot

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



78, 106.637, 135.165



94, 45.539, 138.339



77, 78.177, 90.719



50, 31.023, 138.046



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, 106.637, 135.165



88, 118.520, 135.241



78, 93.365, 142.207



46, 7.737, 139.589



63, 89.512, 135.063



17, 33.866, 136.603

Inverse Universe

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



47, 105.537, 322.159



54, 117.157, 322.060



49, 81.512, 347.414



44, 7.773, 320.441



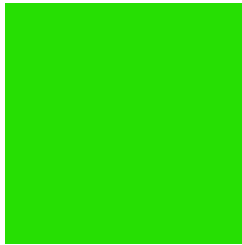
37, 88.651, 322.194



6, 35.588, 322.828

Previews

White Background



This preview shows how the CIE LCh color 78, 106.638, 135.164 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, 106.638, 135.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

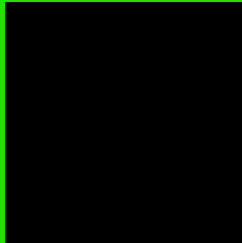
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 106.638, 135.164

Background



This preview shows how black text looks on a background with the CIELCh color 78, 106.638, 135.164.



This preview shows how white text looks on a background with the CIELCh color 78, 106.638, 135.164.

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

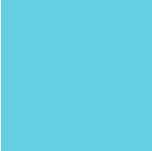
78, 106.638, 135.164

Protanopia

77, 79.067, 95.065

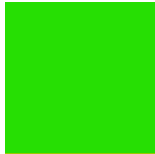
Deuteranopia

77, 71.083, 81.910



Tritanopia
78, 31.739, 214.224

Trichromacy



Original Color

78, 106.638, 135.164



Protanomaly

76, 84.923, 117.799



Deuteranomaly

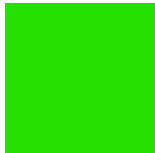
75, 76.139, 112.705



Tritanomaly

77, 57.542, 155.873

Monochromacy



Original Color

78, 106.638, 135.164



Achromatopsia

59, 0.008, 296.813



Achromatomaly

64, 50.685, 137.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 106.638, 135.164 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(38, 223, 3)` looks like.

```
.text, #text, p{  
    color:rgb(38, 223, 3)  
}
```

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(38, 223, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 223, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 106.638, 135.164 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(38, 223, 3) }
```

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

```
.border{ border-color:rgb(38, 223, 3) }
```

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

Here you see how a box with a 4 pixel rgb(38, 223, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 223, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 223, 3);  
box-shadow:4px 4px 4px 4px rgb(38, 223, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 78, 106.638, 135.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 223, 3) }
```

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

```
.background{ background-color: rgb(38, 223,  
3) }
```

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