

Converting Colors

CIELCh(78, 106.029, 136.761)

Have a look what the booklet for
CIELCh(78, 106.029, 136.761)
contains.

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Color

CIELCh(78, 106.220, 136.745)

Conversions

Conversions Part 1

Format	Color
Hex	06E017
RGB	6, 224, 23
RGB Percent	2%, 88%, 9%
CMY	0.9775, 0.1230, 0.9085
CMYK	0.97, 0.00, 0.90, 0.12
HSL	125°, 95%, 45%
HSV	125°, 97%, 88%
XYZ	26.7855, 53.2120, 9.6864
YIQ	135.9040, -65.4070, -108.7270

Conversions

Conversions Part 2

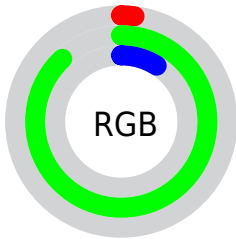
Format	Color
R _{YB}	6, 208, 224
Decimal	450583
CIE Lab	78.00, -77.36, 72.79
CIE LCh	78, 106.220, 136.745
Yxy	53.2120, 0.2987, 0.5933
Android (android.graphics.Color)	4278640663 (0xFF06E017)
YUV	135.9040, -55.6617, -113.9258
Hunter-Lab	72.9466, -62.1124, 43.1896

Details

The CIELCh color **78, 106.220, 136.745** 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 **52, 97.847, 331.680**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 93.117, 136.719**, and **60, 87.244, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **78, 106.981, 136.584**, and if you desaturate by 10%, it is **78, 101.854, 137.711**.

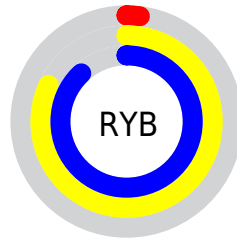
Distribution



Red (2%)

Green (88%)

Blue (9%)



Red (2%)

Yellow (82%)

Blue (88%)

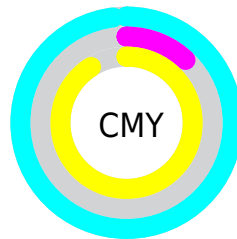


Cyan (97%)

Magenta (0%)

Yellow (90%)

Black (12%)



Cyan (98%)


Magenta (12%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 106.220, 136.745 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, 106.220, 136.745 by changing the saturation by 10% instead.


 78, 106.220,
136.745


 78, 106.220,
136.745


 100, 106.220,
136.745


 68, 106.220,
136.745


 98, 106.220,
136.745

 58, 106.220,
136.745

 48, 106.220,
136.745

 38, 106.220,
136.745

 28, 106.220,
136.745

 18, 106.220,
136.745

 8, 106.220,

136.745

■ 0, 106.220,
136.745

■ 78, 106.220,
136.745

■ 78, 106.220,
136.745

■ 78, 106.981,
136.584

■ 78, 101.854,
137.711

■ 79, 95.047,
138.926

■ 79, 86.098,
140.241

■ 80, 75.435,
141.540

■ 81, 63.490,
142.747

■ 82, 50.661,
143.824

■ 84, 37.296,
144.765

■ 86, 23.681,
145.576

■ 87, 10.044,
146.282

Harmonies

Complementary

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



78, 106.220, 136.745



52, 97.847, 331.680

Rectangle

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



78, 106.220, 136.745



78, 106.220, 186.745



78, 106.220, 316.745



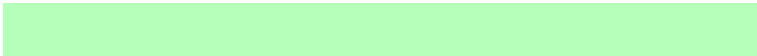
78, 106.220, 6.745

Sweetspot

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



78, 106.219, 136.746



94, 43.832, 144.608



85, 87.570, 106.956



49, 30.027, 144.210



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, 106.219, 136.746



88, 118.311, 136.523



79, 74.412, 153.017



46, 7.702, 146.146



63, 89.120, 136.729



16, 33.843, 140.851

Inverse Universe

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



52, 97.847, 331.680



59, 108.336, 331.808



48, 76.040, 7.895



44, 7.716, 327.213



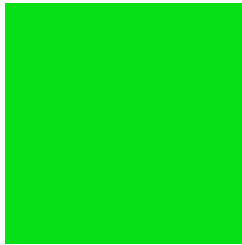
41, 82.137, 331.719



7, 34.029, 331.097

Previews

White Background



This preview shows how the CIELCh color 78, 106.220, 136.745 looks on a white background.

Color Contrast Check

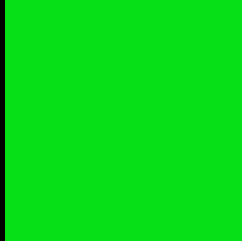
Large Text (above 18pt) WCAG AA × Fail

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, 106.220, 136.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

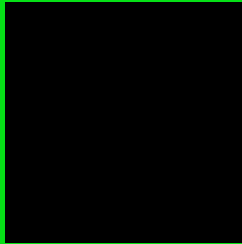
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 106.220, 136.745

Background



This preview shows how black text looks on a background with the CIELCh color 78, 106.220, 136.745.



This preview shows how white text looks on a background with the CIELCh color 78, 106.220, 136.745.

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

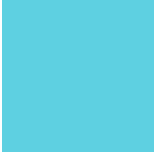
78, 106.396, 136.722

Protanopia

77, 78.458, 95.061

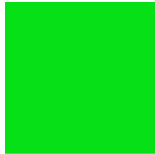
Deuteranopia

77, 69.474, 81.580



Tritanopia
78, 32.865, 213.552

Trichromacy



Original Color

78, 106.396, 136.722



Protanomaly

75, 85.695, 120.949



Deuteranomaly

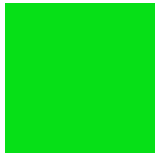
74, 75.204, 117.172



Tritanomaly

77, 57.140, 160.112

Monochromacy



Original Color

78, 106.396, 136.722



Achromatopsia

57, 0.007, 296.813



Achromatomaly

62, 50.128, 142.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 106.220, 136.745 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(6, 224, 23)` looks like.

```
.text, #text, p{  
    color:rgb(6, 224, 23)  
}
```

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(6, 224, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 224, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 106.220, 136.745 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(6, 224, 23) }
```

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

```
.border{ border-color:rgb(6, 224, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 224, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 224, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 224, 23);  
box-shadow:4px 4px 4px 4px rgb(6, 224, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 78, 106.220, 136.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 224, 23) }
```

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

```
.background{ background-color: rgb(6, 224,  
23) }
```

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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