

Converting Colors

CIELCh(77, 105.571, 135.799)

Have a look what the booklet for
CIELCh(77, 105.571, 135.799)
contains.

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Color

CIELCh(77, 105.491, 135.794)

Conversions

Conversions Part 1

Format	Color
Hex	1BDC0B
RGB	27, 220, 11
RGB Percent	11%, 86%, 4%
CMY	0.8924, 0.1366, 0.9550
CMYK	0.88, 0.00, 0.95, 0.14
HSL	115°, 90%, 45%
HSV	115°, 95%, 86%
XYZ	26.1607, 51.5317, 8.8984
YIQ	138.4670, -47.9390, -105.9150

Conversions

Conversions Part 2

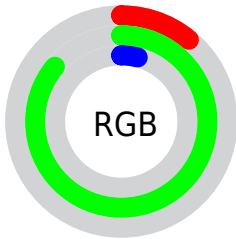
Format	Color
RYB	11, 220, 204
Decimal	1825803
CIELab	77.00, -75.62, 73.55
CIELCh	77, 105.491, 135.794
Yxy	51.5317, 0.3021, 0.5951
Android (android.graphics.Color)	4280015883 (0xFF1BDC0B)
YUV	138.4670, -62.8412, -97.7566
Hunter-Lab	71.7856, -60.5745, 42.9004

Details

The CIELCh color **77, 105.491, 135.794** 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 **50, 102.867, 325.309**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.198, 135.569**, and **58, 85.698, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 106.792, 135.740**, and if you desaturate by 10%, it is **77, 101.304, 136.020**.

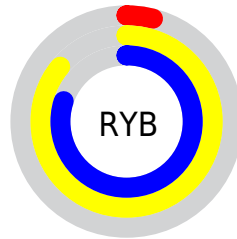
Distribution



Red (11%)

Green (86%)

Blue (4%)



Red (4%)

Yellow (86%)

Blue (80%)

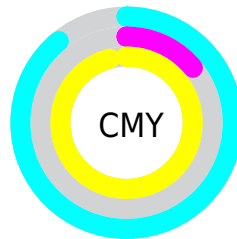


Cyan (88%)

Magenta (0%)

Yellow (95%)

Black (14%)



Cyan (89%)


Magenta (14%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 105.491, 135.794 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 77, 105.491, 135.794 by changing the saturation by 10% instead.


 77, 105.491,
135.794


 77, 105.491,
135.794


 100, 105.491,
135.794


 67, 105.491,
135.794


 97, 105.491,
135.794

 57, 105.491,
135.794

 47, 105.491,
135.794

 37, 105.491,
135.794

 27, 105.491,
135.794

 17, 105.491,
135.794

 7, 105.491,

135.794

■ 0, 105.491,
135.794

■ 77, 105.491,
135.794

■ 77, 105.491,
135.794

■ 77, 106.792,
135.740

■ 77, 101.304,
136.020

■ 78, 94.322,
136.597

■ 78, 84.943,
137.414

■ 79, 73.748,
138.335

■ 80, 61.289,
139.255

■ 82, 48.022,
140.114

■ 83, 34.308,
140.885

■ 85, 20.420,
141.560

■ 87, 6.564, 142.164

Harmonies

Complementary

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



77, 105.491, 135.794



50, 102.867, 325.309

Rectangle

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



77, 105.491, 135.794



77, 105.491, 185.794



77, 105.491, 315.794



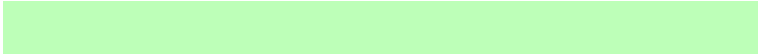
77, 105.491, 5.794

Sweetspot

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



77, 105.490, 135.795



94, 43.650, 140.630



81, 80.830, 97.502



49, 30.096, 140.292



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 105.490, 135.795



88, 119.381, 135.775



77, 84.216, 146.179



45, 7.793, 141.888



62, 89.272, 135.666



15, 33.010, 138.785

Inverse Universe

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



50, 102.867, 325.309



57, 116.116, 325.191



48, 77.261, 353.113



43, 7.815, 322.821



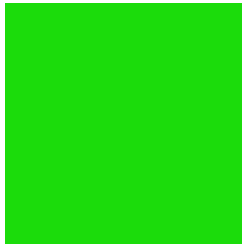
39, 86.947, 325.263



6, 34.260, 325.536

Previews

White Background



This preview shows how the CIE LCh color 77, 105.491, 135.794 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 77, 105.491, 135.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

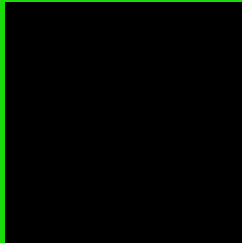
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 105.491, 135.794

Background



This preview shows how black text looks on a background with the CIELCh color 77, 105.491, 135.794.



This preview shows how white text looks on a background with the CIELCh color 77, 105.491, 135.794.

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

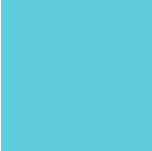
77, 105.491, 135.794

Protanopia

76, 78.101, 95.277

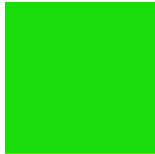
Deuteranopia

76, 69.908, 81.937



Tritanopia
77, 32.035, 213.038

Trichromacy



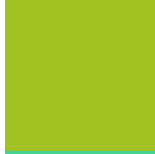
Original Color

77, 105.491, 135.794



Protanomaly

74, 84.141, 118.823



Deuteranomaly

74, 75.116, 114.212



Tritanomaly

76, 57.138, 157.426

Monochromacy



Original Color

77, 105.491, 135.794



Achromatopsia

58, 0.007, 296.813



Achromatomaly

63, 49.826, 139.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 105.491, 135.794 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(27, 220, 11)` looks like.

```
.text, #text, p{  
    color:rgb(27, 220, 11)  
}
```

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(27, 220, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 220, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 105.491, 135.794 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(27, 220, 11) }
```

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

```
.border{ border-color:rgb(27, 220, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 220, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 220, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 220, 11);  
box-shadow:4px 4px 4px 4px rgb(27, 220,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 105.491, 135.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 220, 11) }
```

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

```
.background{ background-color: rgb(27, 220,  
11) }
```

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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