

Converting Colors

CIELCh(77, 104.786, 136.315)

Have a look what the booklet for
CIELCh(77, 104.786, 136.315)
contains.

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Color

CIELCh(77, 104.678, 136.338)

Conversions

Conversions Part 1

Format	Color
Hex	17DC15
RGB	23, 220, 21
RGB Percent	9%, 86%, 8%
CMY	0.9109, 0.1364, 0.9160
CMYK	0.90, 0.00, 0.90, 0.14
HSL	120°, 82%, 47%
HSV	120°, 90%, 86%
XYZ	26.1349, 51.5317, 9.2988
YIQ	138.4110, -53.5330, -103.6530

Conversions

Conversions Part 2

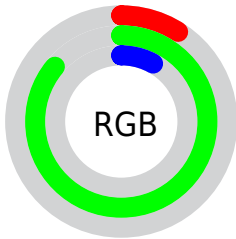
Format	Color
R_{YB}	21, 220, 218
Decimal	1563669
CIE _{Lab}	77.00, -75.73, 72.27
CIE _{LCh}	77, 104.678, 136.338
Yxy	51.5317, 0.3005, 0.5926
Android (android.graphics.Color)	4279753749 (0xFF17DC15)
YUV	138.4110, -57.8836, -101.2154
Hunter-Lab	71.7856, -60.6385, 42.5698

Details

The CIELCh color **77, 104.678, 136.338** 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 **53, 101.413, 327.923**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 93.497, 136.208**, and **58, 85.698, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 107.187, 135.994**, and if you desaturate by 10%, it is **77, 99.545, 137.008**.

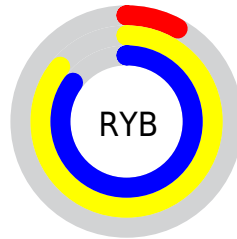
Distribution



Red (9%)

Green (86%)

Blue (8%)



Red (8%)

Yellow (86%)

Blue (85%)

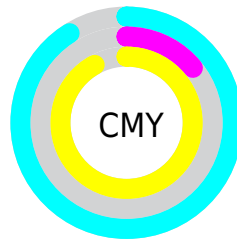


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (14%)



Cyan (91%)


Magenta (14%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 104.678, 136.338 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, 104.678, 136.338 by changing the saturation by 10% instead.


 77, 104.678,
136.338

 77, 104.678,
136.338


 100, 104.678,
136.338

 67, 104.678,
136.338


 97, 104.678,
136.338

 57, 104.678,
136.338

 47, 104.678,
136.338

 37, 104.678,
136.338

 27, 104.678,
136.338

 17, 104.678,
136.338

 7, 104.678,

136.338

■ 0, 104.678,
136.338

■ 77, 104.678,
136.338

■ 77, 104.678,
136.338

■ 77, 107.187,
135.994

■ 77, 99.545,
137.008

■ 78, 91.649,
137.967

■ 79, 81.478,
139.069

■ 79, 69.612,
140.183

■ 81, 56.579,
141.228

■ 82, 42.823,
142.163

■ 84, 28.698,
142.978

■ 86, 14.479,
143.683

■ 88, 0.369, 145.002

Harmonies

Complementary

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



77, 104.678, 136.338



53, 101.413, 327.923

Rectangle

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



77, 104.678, 136.338



77, 104.678, 186.338



77, 104.678, 316.338



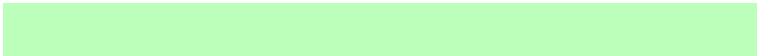
77, 104.678, 6.338

Sweetspot

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



77, 104.677, 136.339



94, 43.058, 142.424



84, 83.615, 102.042



50, 28.986, 142.128



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, 104.677, 136.339



88, 119.749, 135.998



78, 76.744, 150.218



45, 7.972, 143.738



62, 89.667, 135.987



15, 33.661, 140.111

Inverse Universe

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



53, 101.413, 327.923



60, 115.598, 327.968



49, 74.897, 357.240



43, 7.985, 324.761



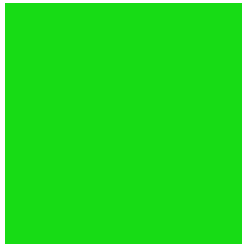
41, 86.571, 327.975



7, 34.536, 327.950

Previews

White Background



This preview shows how the CIE LCh color 77, 104.678, 136.338 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, 104.678, 136.338 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, 104.678, 136.338

Background



This preview shows how black text looks on a background with the CIELCh color 77, 104.678, 136.338.



This preview shows how white text looks on a background with the CIELCh color 77, 104.678, 136.338.

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, 104.638, 136.311

Protanopia

76, 78.101, 95.277

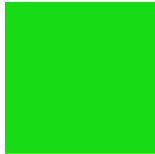
Deuteranopia

76, 69.068, 82.139



Tritanopia
77, 32.219, 212.934

Trichromacy



Original Color

77, 104.638, 136.311



Protanomaly

74, 84.010, 119.428



Deuteranomaly

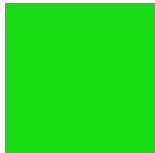
74, 74.115, 115.439



Tritanomaly

76, 56.286, 158.788

Monochromacy



Original Color

77, 104.638, 136.311



Achromatopsia

58, 0.007, 296.813



Achromatomaly

63, 48.709, 140.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 104.678, 136.338 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(23, 220, 21)` looks like.

```
.text, #text, p{  
    color:rgb(23, 220, 21)  
}
```

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(23, 220, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 220, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 104.678, 136.338 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(23, 220, 21) }
```

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

```
.border{ border-color:rgb(23, 220, 21) }
```

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

Here you see how a box with a 4 pixel rgb(23, 220, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 220, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 220, 21);  
box-shadow:4px 4px 4px 4px rgb(23, 220,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 104.678, 136.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 220, 21) }
```

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

```
.background{ background-color: rgb(23, 220,  
21) }
```

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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