

Converting Colors

CIELCh(77, 103.637, 136.941)

Have a look what the booklet for
CIELCh(77, 103.637, 136.941)
contains.

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Color

CIELCh(77, 103.514, 136.953)

Conversions

Conversions Part 1

Format	Color
Hex	13DC1E
RGB	19, 220, 30
RGB Percent	7%, 86%, 12%
CMY	0.9260, 0.1364, 0.8810
CMYK	0.91, 0.00, 0.86, 0.14
HSL	123°, 84%, 47%
HSV	123°, 91%, 86%
XYZ	26.1540, 51.5317, 9.8186
YIQ	138.2410, -58.8060, -101.7020

Conversions

Conversions Part 2

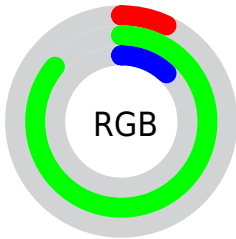
Format	Color
R_{YB}	19, 210, 220
Decimal	1301534
CIE Lab	77.00, -75.65, 70.66
CIE LCh	77, 103.514, 136.953
Yxy	51.5317, 0.2989, 0.5889
Android (android.graphics.Color)	4279491614 (0xFF13DC1E)
YUV	138.2410, -53.3628, -104.5744
Hunter-Lab	71.7856, -60.5910, 42.1404

Details

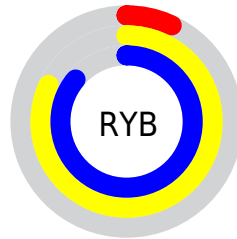
The CIELCh color **77, 103.514, 136.953** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **52, 97.517, 330.425**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 91.950, 137.015**, and **58, 85.698, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 106.244, 136.392**, and if you desaturate by 10%, it is **77, 97.981, 137.958**.

Distribution



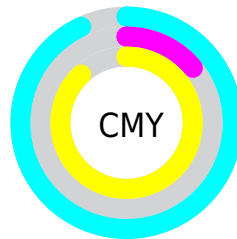
- Red (7%)
- Green (86%)
- Blue (12%)



- Red (7%)
- Yellow (82%)
- Blue (86%)



- Cyan (91%)
- Magenta (0%)
- Yellow (86%)
- Black (14%)





- Cyan (93%)
- Magenta (14%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 103.514, 136.953 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, 103.514, 136.953 by changing the saturation by 10% instead.


 77, 103.514,
136.953


 77, 103.514,
136.953


 100, 103.514,
136.953


 67, 103.514,
136.953


 97, 103.514,
136.953

 57, 103.514,
136.953

 47, 103.514,
136.953

 37, 103.514,
136.953

 27, 103.514,
136.953

 17, 103.514,
136.953

 7, 103.514,

136.953

■ 0, 103.514,
136.953

■ 77, 103.514,
136.953

■ 77, 103.514,
136.953

■ 77, 106.244,
136.392

■ 77, 97.981,
137.958

■ 78, 90.033,
139.160

■ 78, 80.090,
140.423

■ 79, 68.627,
141.641

■ 81, 56.086,
142.755

■ 82, 42.855,
143.738

■ 84, 29.257,
144.591

■ 85, 15.550,
145.327

■ 88, 1.930, 146.078

Harmonies

Complementary

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



77, 103.514, 136.953



52, 97.517, 330.425

Rectangle

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



77, 103.514, 136.953



77, 103.514, 186.953



77, 103.514, 316.953



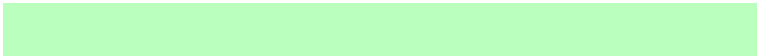
77, 103.514, 6.953

Sweetspot

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



77, 103.514, 136.954



94, 41.505, 144.113



85, 85.121, 105.903



50, 27.943, 143.809



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, 103.514, 136.954



88, 118.847, 136.337



78, 72.218, 153.457



45, 7.683, 145.463



62, 88.626, 136.513



15, 32.765, 141.170

Inverse Universe

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



52, 97.517, 330.425



60, 110.416, 330.689



48, 74.100, 3.547



43, 7.696, 326.516



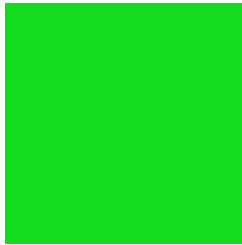
41, 82.782, 330.626



7, 33.213, 330.122

Previews

White Background



This preview shows how the CIELCh color 77, 103.514, 136.953 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, 103.514, 136.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

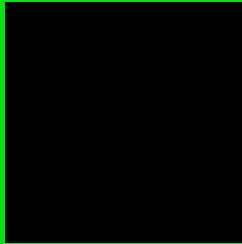
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 103.514, 136.953

Background



This preview shows how black text looks on a background with the CIELCh color 77, 103.514, 136.953.



This preview shows how white text looks on a background with the CIELCh color 77, 103.514, 136.953.

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

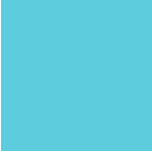
77, 103.480, 136.930

Protanopia

76, 75.755, 95.266

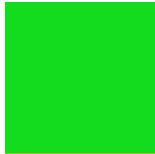
Deuteranopia

76, 67.718, 81.856



Tritanopia
77, 32.402, 212.832

Trichromacy



Original Color

77, 103.480, 136.930



Protanomaly

74, 82.096, 120.245



Deuteranomaly

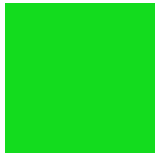
74, 72.507, 116.169



Tritanomaly

76, 55.071, 160.595

Monochromacy



Original Color

77, 103.480, 136.930



Achromatopsia

57, 0.007, 296.813



Achromatomaly

63, 47.198, 142.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 103.514, 136.953 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(19, 220, 30)` looks like.

```
.text, #text, p{  
    color:rgb(19, 220, 30)  
}
```

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(19, 220, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 220, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 103.514, 136.953 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(19, 220, 30) }
```

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

```
.border{ border-color:rgb(19, 220, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 220, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 220, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 220, 30);  
box-shadow:4px 4px 4px 4px rgb(19, 220,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 103.514, 136.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 220, 30) }
```

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

```
.background{ background-color: rgb(19, 220,  
30) }
```

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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