

Converting Colors

CIELCh(77, 102.469, 137.073)

Have a look what the booklet for
CIELCh(77, 102.469, 137.073)
contains.

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Color

CIELCh(77, 102.546, 137.047)

Conversions

Conversions Part 1

Format	Color
Hex	19DC22
RGB	25, 220, 34
RGB Percent	10%, 86%, 13%
CMY	0.9015, 0.1371, 0.8664
CMYK	0.89, 0.00, 0.85, 0.14
HSL	123°, 80%, 48%
HSV	123°, 89%, 86%
XYZ	26.2973, 51.5317, 10.0783
YIQ	140.4910, -56.5140, -99.1860

Conversions

Conversions Part 2

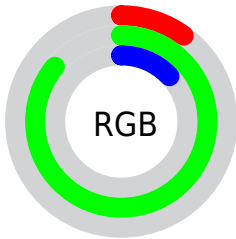
Format	Color
RYB	25, 211, 220
Decimal	1694754
CIELab	77.00, -75.05, 69.87
CIELCh	77, 102.546, 137.047
Yxy	51.5317, 0.2991, 0.5862
Android (android.graphics.Color)	4279884834 (0xFF19DC22)
YUV	140.4910, -52.5001, -101.2856
Hunter-Lab	71.7856, -60.2348, 41.9260

Details

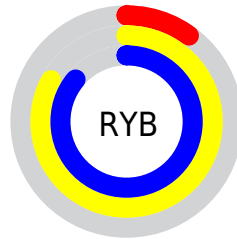
The CIELCh color **77, 102.546, 137.047** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **53, 97.481, 329.891**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.965, 137.054**, and **58, 85.698, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 106.064, 136.363**, and if you desaturate by 10%, it is **77, 96.408, 138.064**.

Distribution



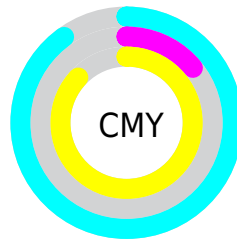
- Red (10%)
- Green (86%)
- Blue (13%)



- Red (10%)
- Yellow (83%)
- Blue (86%)



- Cyan (89%)
- Magenta (0%)
- Yellow (85%)
- Black (14%)





- Cyan (90%)
- Magenta (14%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 102.546, 137.047 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, 102.546, 137.047 by changing the saturation by 10% instead.


 77, 102.546,
137.047


 77, 102.546,
137.047


 100, 102.546,
137.047


 67, 102.546,
137.047


 97, 102.546,
137.047

 57, 102.546,
137.047

 47, 102.546,
137.047

 37, 102.546,
137.047

 27, 102.546,
137.047

 17, 102.546,
137.047

 7, 102.546,

137.047

■ 0, 102.546,
137.047

■ 77, 102.546,
137.047

■ 77, 102.546,
137.047

■ 77, 106.064,
136.363

■ 77, 96.408,
138.064

■ 77, 106.380,
136.315

■ 78, 87.887,
139.258

■ 79, 77.449,
140.494

■ 80, 65.582,
141.675

■ 81, 52.731,
142.746

■ 82, 39.276,
143.687

■ 84, 25.528,
144.502

■ 86, 11.732,
145.207

■ 88, 1.931, 325.620

Harmonies

Complementary

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



77, 102.546, 137.047



53, 97.481, 329.891

Rectangle

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



77, 102.546, 137.047



77, 102.546, 187.047



77, 102.546, 317.047



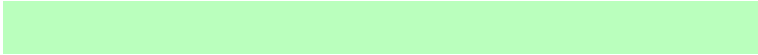
77, 102.546, 7.047

Sweetspot

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



77, 102.546, 137.048



94, 41.824, 143.805



85, 84.093, 104.967



50, 28.157, 143.502



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, 102.546, 137.048



88, 119.051, 136.266



78, 72.058, 153.173



45, 7.742, 145.150



62, 88.832, 136.417



15, 32.951, 140.983

Inverse Universe

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



53, 97.481, 329.891



60, 111.404, 330.185



48, 73.570, 0.916



43, 7.755, 326.198



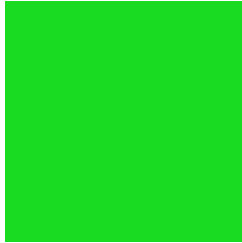
41, 83.505, 330.136



7, 33.472, 329.725

Previews

White Background



This preview shows how the CIELCh color 77, 102.546, 137.047 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, 102.546, 137.047 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, 102.546, 137.047

Background



This preview shows how black text looks on a background with the CIELCh color 77, 102.546, 137.047.



This preview shows how white text looks on a background with the CIELCh color 77, 102.546, 137.047.

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, 102.546, 137.047

Protanopia

76, 74.877, 95.260

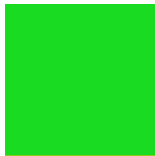
Deuteranopia

76, 67.019, 81.703



Tritanopia
77, 32.219, 212.934

Trichromacy



Original Color

77, 102.546, 137.047



Protanomaly

74, 81.110, 119.938



Deuteranomaly

74, 71.388, 115.761



Tritanomaly

76, 53.764, 161.034

Monochromacy



Original Color

77, 102.546, 137.047



Achromatopsia

59, 0.008, 296.813



Achromatomaly

64, 46.276, 142.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 102.546, 137.047 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(25, 220, 34)` looks like.

```
.text, #text, p{  
    color:rgb(25, 220, 34)  
}
```

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(25, 220, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 220, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 102.546, 137.047 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(25, 220, 34) }
```

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

```
.border{ border-color:rgb(25, 220, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 220, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 220, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 220, 34);  
box-shadow:4px 4px 4px 4px rgb(25, 220,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 102.546, 137.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 220, 34) }
```

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

```
.background{ background-color: rgb(25, 220,  
34) }
```

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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