

Converting Colors

CIELCh(77, 104.113, 137.099)

Have a look what the booklet for
CIELCh(77, 104.113, 137.099)
contains.

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Color

CIELCh(77, 103.991, 137.101)

Conversions

Conversions Part 1

Format	Color
Hex	08DC1E
RGB	8, 220, 30
RGB Percent	3%, 86%, 12%
CMY	0.9676, 0.1357, 0.8839
CMYK	0.96, 0.00, 0.87, 0.14
HSL	126°, 93%, 45%
HSV	126°, 96%, 86%
XYZ	26.0260, 51.5317, 9.7763
YIQ	134.9520, -65.3620, -104.0340

Conversions

Conversions Part 2

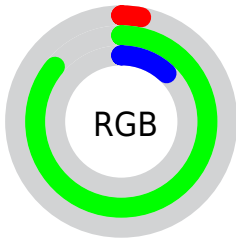
Format	Color
RYB	8, 200, 220
Decimal	580638
CIELab	77.00, -76.18, 70.79
CIELCh	77, 103.991, 137.101
Yxy	51.5317, 0.2980, 0.5901
Android (android.graphics.Color)	4278770718 (0xFF08DC1E)
YUV	134.9520, -51.7413, -111.3369
Hunter-Lab	71.7856, -60.9094, 42.1754

Details

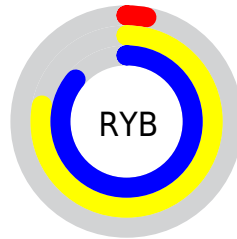
The CIELCh color **77, 103.991, 137.101** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **51, 95.161, 332.568**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 92.242, 137.255**, and **58, 85.698, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 105.266, 136.797**, and if you desaturate by 10%, it is **77, 99.115, 138.230**.

Distribution



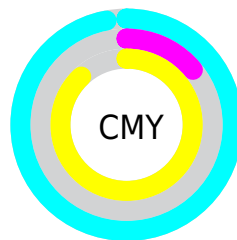
- Red (3%)
- Green (86%)
- Blue (12%)



- Red (3%)
- Yellow (78%)
- Blue (86%)



- Cyan (96%)
- Magenta (0%)
- Yellow (87%)
- Black (14%)





- Cyan (97%)
- Magenta (14%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 103.991, 137.101 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, 103.991, 137.101 by changing the saturation by 10% instead.


 77, 103.991,
137.101


 77, 103.991,
137.101


 100, 103.991,
137.101


 67, 103.991,
137.101


 97, 103.991,
137.101

 57, 103.991,
137.101

 47, 103.991,
137.101

 37, 103.991,
137.101

 27, 103.991,
137.101

 17, 103.991,
137.101

 7, 103.991,

137.101

■ 0, 103.991,
137.101

■ 77, 103.991,
137.101

■ 77, 103.991,
137.101

■ 77, 105.266,
136.797

■ 77, 99.115,
138.230

■ 78, 91.977,
139.549

■ 78, 82.890,
140.920

■ 79, 72.250,
142.240

■ 80, 60.449,
143.448

■ 81, 47.852,
144.519

■ 83, 34.780,
145.449

■ 85, 21.500,
146.251

■ 87, 8.220, 146.955

Harmonies

Complementary

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



77, 103.991, 137.101



51, 95.161, 332.568

Rectangle

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



77, 103.991, 137.101



77, 103.991, 187.101



77, 103.991, 317.101



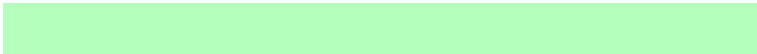
77, 103.991, 7.101

Sweetspot

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



77, 103.990, 137.102



94, 43.225, 145.185



84, 86.690, 108.904



49, 29.613, 144.785



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, 103.990, 137.102



88, 117.756, 136.717



78, 70.362, 155.326



45, 7.453, 146.737



62, 87.655, 136.967



15, 32.040, 141.926

Inverse Universe

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



51, 95.161, 332.568



59, 106.629, 332.791



47, 75.170, 10.466



43, 7.468, 327.812



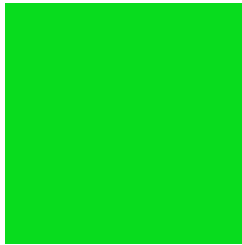
40, 80.009, 332.670



7, 32.207, 331.763

Previews

White Background



This preview shows how the CIELCh color 77, 103.991, 137.101 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, 103.991, 137.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

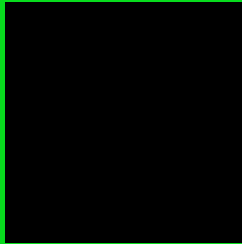
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 103.991, 137.101

Background



This preview shows how black text looks on a background with the CIELCh color 77, 103.991, 137.101.



This preview shows how white text looks on a background with the CIELCh color 77, 103.991, 137.101.

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

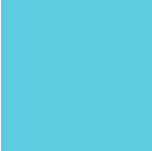
77, 103.783, 137.136

Protanopia

76, 75.913, 95.267

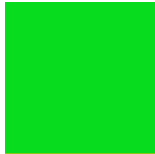
Deuteranopia

76, 67.718, 81.856



Tritanopia
77, 32.614, 213.724

Trichromacy



Original Color

77, 103.783, 137.136



Protanomaly

74, 82.795, 121.192



Deuteranomaly

73, 72.929, 117.411



Tritanomaly

76, 55.602, 160.926

Monochromacy



Original Color

77, 103.783, 137.136



Achromatopsia

56, 0.007, 296.813



Achromatomaly

62, 48.078, 143.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 103.991, 137.101 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(8, 220, 30)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 220, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 220, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 103.991, 137.101 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(8, 220, 30) }
```

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

```
.border{ border-color:rgb(8, 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(8, 220, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 220, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 220, 30);  
box-shadow:4px 4px 4px 4px rgb(8, 220, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 77, 103.991, 137.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 220, 30) }
```

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

```
.background{ background-color: rgb(8, 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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