

Converting Colors

CIELCh(77, 103.193, 135.249)

Have a look what the booklet for
CIELCh(77, 103.193, 135.249)
contains.

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Color

CIELCh(77, 102.961, 135.257)

Conversions

Conversions Part 1

Format	Color
Hex	30DB15
RGB	48, 219, 21
RGB Percent	19%, 86%, 8%
CMY	0.8130, 0.1397, 0.9186
CMYK	0.78, 0.00, 0.91, 0.14
HSL	112°, 83%, 47%
HSV	112°, 91%, 86%
XYZ	26.7660, 51.5317, 9.2333
YIQ	145.2990, -38.3580, -97.8300

Conversions

Conversions Part 2

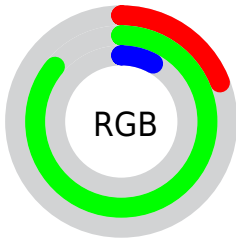
Format	Color
RYB	21, 219, 192
Decimal	3201813
CIELab	77.00, -73.13, 72.48
CIELCh	77, 102.961, 135.257
Yxy	51.5317, 0.3058, 0.5887
Android (android.graphics.Color)	4281391893 (0xFF30DB15)
YUV	145.2990, -61.2794, -85.3312
Hunter-Lab	71.7856, -59.0692, 42.6238

Details

The CIELCh color **77, 102.961, 135.257** 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 **48, 101.848, 323.274**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.005, 134.913**, and **58, 85.311, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 105.978, 135.373**, and if you desaturate by 10%, it is **77, 97.337, 135.420**.

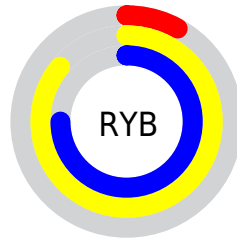
Distribution



Red (19%)

Green (86%)

Blue (8%)



Red (8%)

Yellow (86%)

Blue (75%)

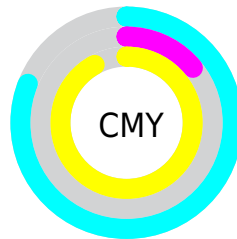


Cyan (78%)

Magenta (0%)

Yellow (91%)

Black (14%)



Cyan (81%)


Magenta (14%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 102.961, 135.257 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, 102.961, 135.257 by changing the saturation by 10% instead.


 77, 102.961,
135.257


 77, 102.961,
135.257


 100, 102.961,
135.257


 67, 102.961,
135.257


 97, 102.961,
135.257


 57, 102.961,
135.257

 47, 102.961,
135.257

 37, 102.961,
135.257

 27, 102.961,
135.257

 17, 102.961,
135.257

 7, 102.961,

135.257

■ 0, 102.961,
135.257

■ 77, 102.961,
135.257

■ 77, 102.961,
135.257

■ 77, 105.978,
135.373

■ 77, 97.337,
135.420

■ 78, 89.148,
135.918

■ 79, 78.918,
136.624

■ 80, 67.226,
137.415

■ 81, 54.565,
138.204

■ 82, 41.324,
138.941

■ 84, 27.797,
139.605

■ 86, 14.204,
140.194

■ 87, 0.706, 141.021

Harmonies

Complementary

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



77, 102.961, 135.257



48, 101.848, 323.274

Rectangle

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



77, 102.961, 135.257



77, 102.961, 185.257



77, 102.961, 315.257



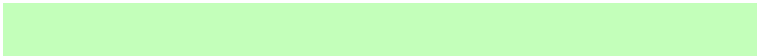
77, 102.961, 5.257

Sweetspot

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



77, 102.960, 135.258



95, 41.310, 139.169



77, 76.352, 93.028



50, 27.818, 138.931



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, 102.960, 135.258



88, 118.820, 135.429



77, 86.490, 144.468



45, 7.648, 140.255



62, 88.787, 135.264



15, 32.495, 137.660

Inverse Universe

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



48, 101.848, 323.274



55, 116.817, 322.929



49, 79.275, 346.795



43, 7.679, 321.125



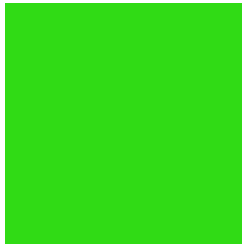
37, 87.452, 323.051



6, 33.950, 323.449

Previews

White Background



This preview shows how the CIELCh color 77, 102.961, 135.257 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, 102.961, 135.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

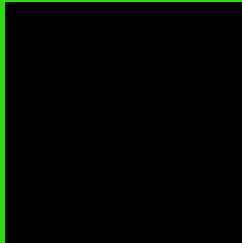
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 102.961, 135.257

Background



This preview shows how black text looks on a background with the CIELCh color 77, 102.961, 135.257.



This preview shows how white text looks on a background with the CIELCh color 77, 102.961, 135.257.

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, 102.758, 135.248

Protanopia

76, 78.101, 95.277

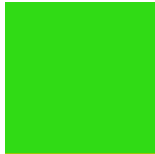
Deuteranopia

76, 69.260, 81.804



Tritanopia
77, 30.677, 213.846

Trichromacy



Original Color

77, 102.758, 135.248



Protanomaly

75, 82.923, 117.110



Deuteranomaly

74, 73.254, 112.259



Tritanomaly

76, 53.613, 157.543

Monochromacy



Original Color

77, 102.758, 135.248



Achromatopsia

60, 0.008, 296.813



Achromatomaly

65, 46.159, 138.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 102.961, 135.257 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(48, 219, 21)` looks like.

```
.text, #text, p{  
    color:rgb(48, 219, 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(48, 219, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 219, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 102.961, 135.257 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(48, 219, 21) }
```

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

```
.border{ border-color:rgb(48, 219, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 219, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 219, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 219, 21);  
box-shadow:4px 4px 4px 4px rgb(48, 219,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 102.961, 135.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 219, 21) }
```

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

```
.background{ background-color: rgb(48, 219,  
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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