

Converting Colors

CIELCh(77, 104.029, 134.674)

Have a look what the booklet for
CIELCh(77, 104.029, 134.674)
contains.

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Color

CIELCh(77, 103.870, 134.643)

Conversions

Conversions Part 1

Format	Color
Hex	33DB09
RGB	51, 219, 9
RGB Percent	20%, 86%, 4%
CMY	0.8018, 0.1400, 0.9648
CMYK	0.77, 0.00, 0.96, 0.14
HSL	108°, 92%, 45%
HSV	108°, 96%, 86%
XYZ	26.8009, 51.5317, 8.7910
YIQ	144.8280, -32.7180, -100.9260

Conversions

Conversions Part 2

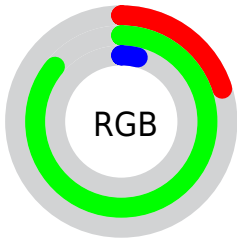
Format	Color
RYB	9, 219, 177
Decimal	3398409
CIELab	77.00, -72.99, 73.90
CIElCh	77, 103.870, 134.643
Yxy	51.5317, 0.3076, 0.5915
Android (android.graphics.Color)	4281588489 (0xFF33DB09)
YUV	144.8280, -66.9632, -82.2872
Hunter-Lab	71.7856, -58.9825, 42.9892

Details

The CIELCh color **77, 103.870, 134.643** 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 **45, 104.061, 320.908**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.032, 134.125**, and **58, 85.311, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 105.124, 134.785**, and if you desaturate by 10%, it is **77, 99.496, 134.372**.

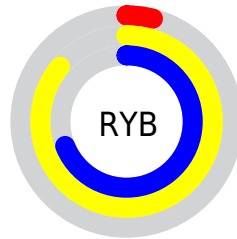
Distribution



Red (20%)

Green (86%)

Blue (4%)



Red (4%)

Yellow (86%)

Blue (69%)

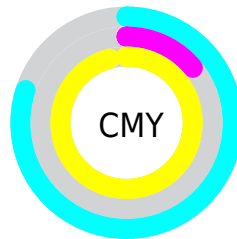


Cyan (77%)

Magenta (0%)

Yellow (96%)

Black (14%)



Cyan (80%)


Magenta (14%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 103.870, 134.643 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, 103.870, 134.643 by changing the saturation by 10% instead.


 77, 103.870,
134.643


 77, 103.870,
134.643


 100, 103.870,
134.643


 67, 103.870,
134.643


 97, 103.870,
134.643


 57, 103.870,
134.643

 47, 103.870,
134.643

 37, 103.870,
134.643

 27, 103.870,
134.643

 17, 103.870,
134.643

 7, 103.870,

134.643

■ 0, 103.870,
134.643

■ 77, 103.870,
134.643

■ 77, 103.870,
134.643

■ 77, 105.124,
134.785

■ 77, 99.496,
134.372

■ 78, 92.498,
134.500

■ 79, 83.259,
134.936

■ 79, 72.351,
135.550

■ 81, 60.306,
136.231

■ 82, 47.549,
136.910

■ 83, 34.398,
137.546

■ 85, 21.087,
138.122

■ 86, 7.789, 138.646

Harmonies

Complementary

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



77, 103.870, 134.643



45, 104.061, 320.908

Rectangle

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



77, 103.870, 134.643



77, 103.870, 184.643



77, 103.870, 314.643



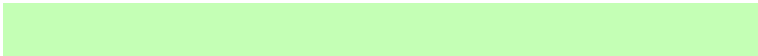
77, 103.870, 4.643

Sweetspot

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



77, 103.869, 134.644



95, 43.497, 137.340



74, 75.477, 88.307



50, 29.810, 137.065



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, 103.869, 134.644



88, 117.921, 134.860



77, 92.991, 141.667



45, 7.502, 138.465



62, 88.054, 134.638



16, 31.985, 136.471

Inverse Universe

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



45, 104.061, 320.908



52, 117.795, 320.653



49, 82.077, 344.337



43, 7.544, 319.283



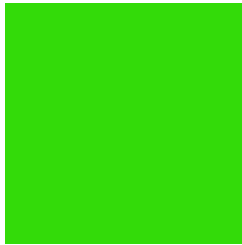
35, 88.155, 320.822



5, 33.561, 321.196

Previews

White Background



This preview shows how the CIELCh color 77, 103.870, 134.643 looks on a white background.

Color Contrast Check

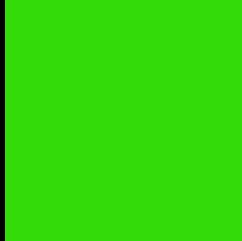
Large Text (above 18pt) WCAG AA × Fail

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, 103.870, 134.643 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, 103.870, 134.643

Background



This preview shows how black text looks on a background with the CIELCh color 77, 103.870, 134.643.



This preview shows how white text looks on a background with the CIELCh color 77, 103.870, 134.643.

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, 103.710, 134.611

Protanopia

76, 78.101, 95.277

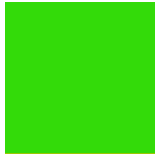
Deuteranopia

76, 70.225, 82.001



Tritanopia
77, 30.278, 214.093

Trichromacy



Original Color
77, 103.710, 134.611



Protanomaly
75, 83.292, 116.727



Deuteranomaly
74, 74.713, 111.636



Tritanomaly
76, 55.196, 155.300

Monochromacy



Original Color
77, 103.710, 134.611



Achromatopsia
60, 0.008, 296.813



Achromatomaly
65, 47.757, 136.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 103.870, 134.643 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(51, 219, 9)` looks like.

```
.text, #text, p{  
    color:rgb(51, 219, 9)  
}
```

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(51, 219, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 219, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 103.870, 134.643 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(51, 219, 9) }
```

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

```
.border{ border-color:rgb(51, 219, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 219, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 219, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 219, 9);  
box-shadow:4px 4px 4px 4px rgb(51, 219, 9)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 77, 103.870, 134.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 219, 9) }
```

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

```
.background{ background-color: rgb(51, 219,  
9) }
```

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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