

Converting Colors

CIELCh(77, 104.880, 134.340)

Have a look what the booklet for
CIELCh(77, 104.880, 134.340)
contains.

CIELCh(77, 104.498, 134.407)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(77, 104.498, 134.407)

Conversions

Conversions Part 1

Format	Color
Hex	33DB01
RGB	51, 219, 1
RGB Percent	20%, 86%, 0%
CMY	0.8017, 0.1399, 0.9960
CMYK	0.77, 0.00, 1.00, 0.14
HSL	106°, 99%, 43%
HSV	106°, 100%, 86%
XYZ	26.7679, 51.5317, 8.5645
YIQ	143.9160, -30.1500, -103.4140

Conversions

Conversions Part 2

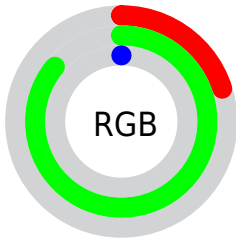
Format	Color
RYB	1, 219, 169
Decimal	3398401
CIELab	77.00, -73.12, 74.65
CIELCh	77, 104.498, 134.407
Yxy	51.5317, 0.3082, 0.5932
Android (android.graphics.Color)	4281588481 (0xFF33DB01)
YUV	143.9160, -70.4576, -81.4873
Hunter-Lab	71.7856, -59.0645, 43.1762

Details

The CIELCh color **77, 104.498, 134.407** 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 **44, 105.452, 319.707**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.685, 133.879**, and **58, 85.311, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 104.643, 134.426**, and if you desaturate by 10%, it is **77, 100.803, 133.955**.

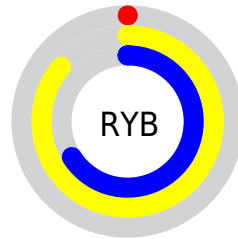
Distribution



Red (20%)

Green (86%)

Blue (0%)



Red (0%)

Yellow (86%)

Blue (66%)

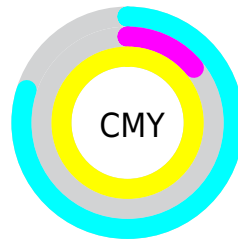


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (80%)


Magenta (14%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 104.498, 134.407 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, 104.498, 134.407 by changing the saturation by 10% instead.


 77, 104.498,
134.407


 77, 104.498,
134.407


 100, 104.498,
134.407


 67, 104.498,
134.407


 97, 104.498,
134.407

 57, 104.498,
134.407

 47, 104.498,
134.407

 37, 104.498,
134.407

 27, 104.498,
134.407

 17, 104.498,
134.407

 7, 104.498,

134.407

■ 0, 104.498,
134.407

■ 77, 104.498,
134.407

■ 77, 104.498,
134.407

■ 77, 104.643,
134.426

■ 77, 100.803,
133.955

■ 78, 94.674,
133.851

■ 78, 86.172,
134.110

■ 79, 75.832,
134.608

■ 80, 64.211,
135.221

■ 81, 51.765,
135.865

■ 83, 38.839,
136.488

■ 84, 25.685,
137.063

■ 86, 12.487,
137.585

Harmonies

Complementary

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



77, 104.498, 134.407



44, 105.452, 319.707

Rectangle

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



77, 104.498, 134.407



77, 104.498, 184.407



77, 104.498, 314.407



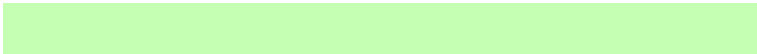
77, 104.498, 4.407

Sweetspot

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



77, 104.497, 134.408



95, 44.577, 136.444



72, 75.080, 84.772



50, 30.371, 136.183



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, 104.497, 134.408



88, 117.382, 134.510



77, 97.050, 140.036



45, 7.436, 137.590



62, 87.626, 134.262



16, 31.754, 135.904

Inverse Universe

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



44, 105.452, 319.707



51, 118.338, 319.616



49, 84.024, 342.630



43, 7.482, 318.389



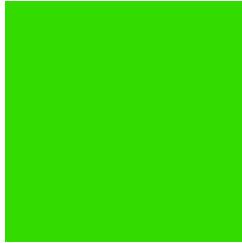
34, 88.546, 319.805



5, 33.358, 320.106

Previews

White Background



This preview shows how the CIE LCh color 77, 104.498, 134.407 looks on a white background.

Color Contrast Check

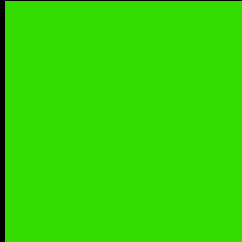
Large Text (above 18pt) WCAG AA × Fail

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, 104.498, 134.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

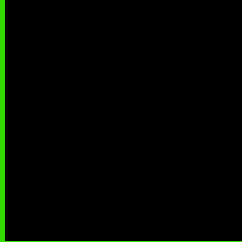
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 104.498, 134.407

Background



This preview shows how black text looks on a background with the CIELCh color 77, 104.498, 134.407.



This preview shows how white text looks on a background with the CIELCh color 77, 104.498, 134.407.

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, 104.336, 134.376

Protanopia

76, 78.168, 94.951

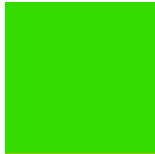
Deuteranopia

76, 70.537, 82.063



Tritanopia
77, 30.278, 214.093

Trichromacy



Original Color

77, 104.336, 134.376



Protanomaly

75, 83.473, 116.391



Deuteranomaly

74, 75.624, 111.462



Tritanomaly

76, 56.361, 154.166

Monochromacy



Original Color

77, 104.336, 134.376



Achromatopsia

60, 0.008, 296.813



Achromatomaly

64, 49.139, 135.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 104.498, 134.407 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(51, 219, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 219, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 104.498, 134.407 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, 1) }
```

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

```
.border{ border-color:rgb(51, 219, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 219, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 219, 1);  
box-shadow:4px 4px 4px 4px rgb(51, 219, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 77, 104.498, 134.407 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, 1) }
```

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

```
.background{ background-color: rgb(51, 219,  
1) }
```

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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