

Converting Colors

CIELCh(77, 99.199, 139.125)

Have a look what the booklet for
CIELCh(77, 99.199, 139.125)
contains.

CIELCh(77, 99.182, 139.107)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 99.182, 139.107)

Conversions

Conversions Part 1

Format	Color
Hex	06DC34
RGB	6, 220, 52
RGB Percent	2%, 86%, 20%
CMY	0.9778, 0.1368, 0.7956
CMYK	0.97, 0.00, 0.76, 0.14
HSL	133°, 95%, 44%
HSV	133°, 97%, 86%
XYZ	26.3166, 51.5317, 11.8230
YIQ	136.8620, -73.6160, -97.6160

Conversions

Conversions Part 2

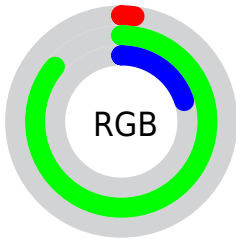
Format	Color
RYB	6, 182, 220
Decimal	449588
CIELab	77.00, -74.97, 64.93
CIELCh	77, 99.182, 139.107
Yxy	51.5317, 0.2935, 0.5747
Android (android.graphics.Color)	4278639668 (0xFF06DC34)
YUV	136.8620, -41.8370, -114.7660
Hunter-Lab	71.7856, -60.1867, 40.4850

Details

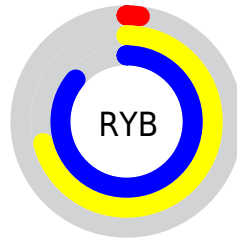
The CIELCh color **77, 99.182, 139.107** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **50, 87.192, 339.029**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 87.436, 139.513**, and **58, 85.698, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 100.413, 138.729**, and if you desaturate by 10%, it is **77, 93.532, 140.784**.

Distribution



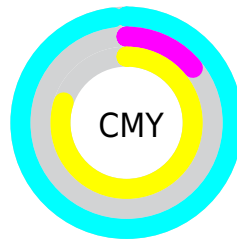
- Red (2%)
- Green (86%)
- Blue (20%)



- Red (2%)
- Yellow (71%)
- Blue (86%)



- Cyan (97%)
- Magenta (0%)
- Yellow (76%)
- Black (14%)





- Cyan (98%)
- Magenta (14%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 99.182, 139.107 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, 99.182, 139.107 by changing the saturation by 10% instead.


 77, 99.182,
139.107


 77, 99.182,
139.107


 100, 99.182,
139.107


 67, 99.182,
139.107


 97, 99.182,
139.107

 57, 99.182,
139.107

 47, 99.182,
139.107

 37, 99.182,
139.107

 27, 99.182,
139.107

 17, 99.182,
139.107

 7, 99.182, 139.107

■ 0, 99.182, 139.107

■ 77, 99.182,
139.107

■ 77, 99.182,
139.107

■ 77, 100.413,
138.729

■ 77, 93.532,
140.784

■ 78, 86.290,
142.489

■ 78, 77.611,
144.111

■ 79, 67.720,
145.592

■ 80, 56.875,
146.907

■ 81, 45.341,
148.056

■ 83, 33.372,
149.051

■ 84, 21.191,
149.912

■ 86, 8.985, 150.672

Harmonies

Complementary

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



77, 99.182, 139.107



50, 87.192, 339.029

Rectangle

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



77, 99.182, 139.107



77, 99.182, 189.107



77, 99.182, 319.107



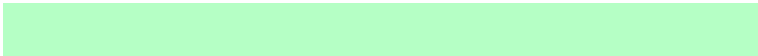
77, 99.182, 9.107

Sweetspot

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



77, 99.182, 139.108



94, 39.745, 148.881



82, 88.456, 114.642



49, 27.227, 148.460



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, 99.182, 139.108



88, 112.589, 138.588



78, 62.714, 162.130



45, 6.858, 150.524



62, 83.476, 139.012



15, 30.152, 144.130

Inverse Universe

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



50, 87.192, 339.029



57, 97.450, 339.460



47, 77.721, 20.446



43, 6.882, 331.683



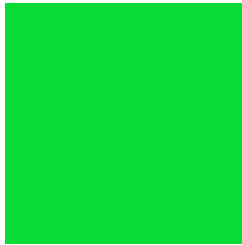
39, 73.263, 339.125



6, 29.670, 336.852

Previews

White Background



This preview shows how the CIELCh color 77, 99.182, 139.107 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, 99.182, 139.107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

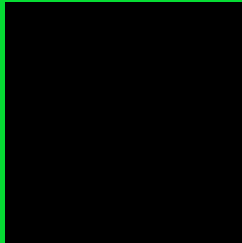
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 99.182, 139.107

Background



This preview shows how black text looks on a background with the CIELCh color 77, 99.182, 139.107.



This preview shows how white text looks on a background with the CIELCh color 77, 99.182, 139.107.

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, 99.159, 139.092

Protanopia

76, 70.216, 95.196

Deuteranopia

76, 62.315, 80.971

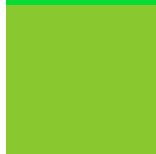


Tritanopia
77, 32.791, 213.622

Trichromacy



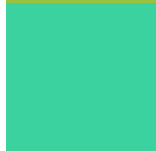
Original Color
77, 99.159, 139.092



Protanomaly
74, 77.460, 123.126



Deuteranomaly
73, 67.345, 119.332



Tritanomaly
76, 52.464, 164.897

Monochromacy



Original Color
77, 99.159, 139.092



Achromatopsia
57, 0.007, 296.813



Achromatomaly
62, 44.789, 147.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 99.182, 139.107 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(6, 220, 52)` looks like.

```
.text, #text, p{  
    color:rgb(6, 220, 52)  
}
```

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(6, 220, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 220, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 99.182, 139.107 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(6, 220, 52) }
```

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

```
.border{ border-color:rgb(6, 220, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 220, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 220, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 220, 52);  
box-shadow:4px 4px 4px 4px rgb(6, 220, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 77, 99.182, 139.107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 220, 52) }
```

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

```
.background{ background-color: rgb(6, 220,  
52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor