

# Converting Colors

CIELCh(69, 98.062, 135.650)

Have a look what the booklet for  
CIELCh(69, 98.062, 135.650)  
contains.

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**Color**

**CIELCh(69, 97.935, 135.778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0AC400
RGB	10, 196, 0
RGB Percent	4%, 77%, 0%
CMY	0.9614, 0.2331, 1.0000
CMYK	0.95, 0.00, 1.00, 0.23
HSL	117°, 100%, 38%
HSV	117°, 100%, 77%
XYZ	19.7588, 39.3444, 6.5206
YIQ	118.0420, -47.9400, -100.3880

# Conversions

## Conversions Part 2

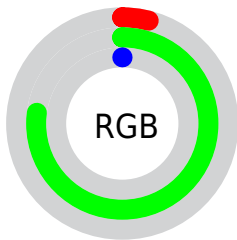
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 196, 186
Decimal	705536
CIELab	69.00, -70.18, 68.30
CIELCh	69, 97.935, 135.778
Yxy	39.3444, 0.3011, 0.5995
Android (android.graphics.Color)	4278895616 (0xFF0AC400)
YUV	118.0420, -58.1947, -94.7528
Hunter-Lab	62.7251, -53.5403, 37.7441

# Details

The CIELCh color **69, 97.935, 135.778** 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, 94.898, 326.249**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 97.840, 135.858**, and **50, 76.669, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **69, 97.832, 135.822**, and if you desaturate by 10%, it is **69, 95.049, 136.089**.

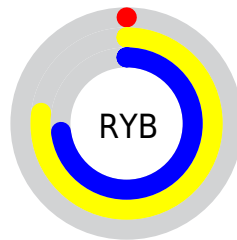
# Distribution



Red (4%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (73%)

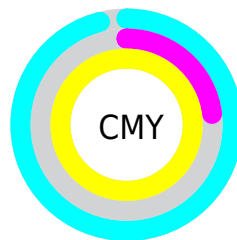


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (96%)

Magenta (23%)


Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 97.935, 135.778 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 69, 97.935, 135.778 by changing the saturation by 10% instead.




 69, 97.935,  
135.778


 69, 97.935,  
135.778

 100, 97.935,  
135.778

 59, 97.935,  
135.778

 89, 97.935,  
135.778

 49, 97.935,  
135.778

 99, 97.935,  
135.778

 39, 97.935,  
135.778

 29, 97.935,  
135.778

 19, 97.935,  
135.778

 9, 97.935, 135.778

 0, 97.935, 135.778

■ 69, 97.935,  
135.778

■ 69, 97.935,  
135.778

■ 69, 97.832,  
135.822

■ 69, 95.049,  
136.089

■ 69, 89.953,  
136.611

■ 70, 82.454,  
137.420

■ 71, 73.023,  
138.380

■ 72, 62.180,  
139.368

■ 73, 50.384,  
140.308

■ 74, 38.008,  
141.158

■ 75, 25.344,

141.906

■ 77, 12.617,  
142.559

# Harmonies

# Complementary

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



69, 97.935, 135.778



45, 94.898, 326.249

# Rectangle

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



69, 97.935, 135.778



69, 97.935, 185.778



69, 97.935, 315.778



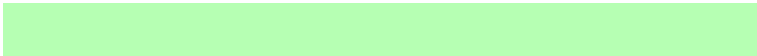
69, 97.935, 5.778

# Sweetspot

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



69, 97.832, 135.822



94, 47.138, 141.120



73, 75.622, 98.407



49, 32.101, 140.766



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 97.832, 135.822



88, 119.544, 135.874



69, 78.021, 145.941



40, 7.097, 142.598



57, 84.499, 135.769



10, 23.941, 143.149



# Inverse Universe

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



45, 94.898, 326.249



58, 115.882, 326.218



42, 70.579, 355.980



38, 7.114, 323.547



37, 82.020, 326.277

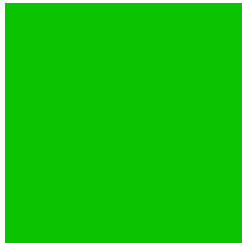


4, 23.593, 324.178



# Previews

## White Background



This preview shows how the CIELCh color 69, 97.935, 135.778 looks on a white background.

## Color Contrast Check

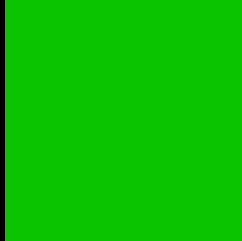
Large Text (above 18pt) WCAG AA × Fail

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 69, 97.935, 135.778 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

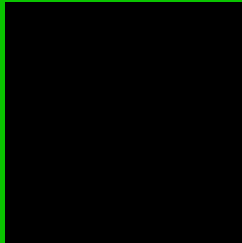
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 69, 97.935, 135.778**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 97.935, 135.778.

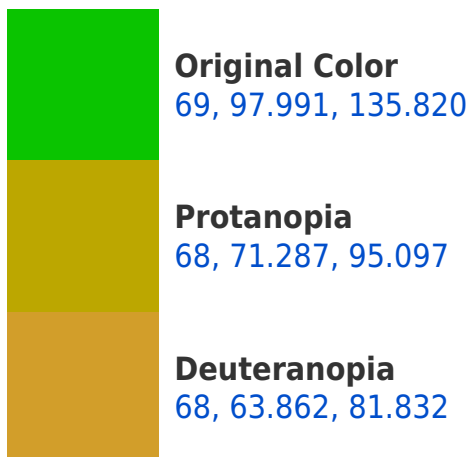


This preview shows how white text looks on a background with the CIELCh color 69, 97.935, 135.778.

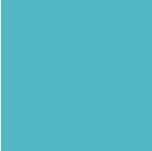
# Color Blindness Simulation

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

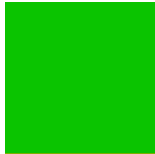






**Tritanopia**  
69, 29.628, 213.618

# Trichromacy



**Original Color**  
69, 97.991, 135.820



**Protanomaly**  
66, 77.820, 120.078



**Deuteranomaly**  
66, 69.907, 115.906



**Tritanomaly**  
68, 54.099, 156.675

# Monochromacy



**Original Color**  
69, 97.991, 135.820



**Achromatopsia**  
50, 0.007, 296.813



**Achromatomaly**  
55, 47.754, 139.477

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 97.935, 135.778 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(10, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(10, 196, 0)  
}
```

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(10, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 196, 0) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 97.935, 135.778 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(10, 196, 0) }
```

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

```
.border{ border-color:rgb(10, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(10, 196, 0)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 97.935, 135.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 196, 0) }
```

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

```
.background{ background-color: rgb(10, 196,  
0) }
```

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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