

Converting Colors

CIELCh(70, 95.966, 137.297)

Have a look what the booklet for
CIELCh(70, 95.966, 137.297)
contains.

| | |
|--|----|
| CIELCh(70, 96.189, 137.270) | 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(70, 96.189, 137.270)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 01C71A |
| RGB | 1, 199, 26 |
| RGB Percent | 0%, 78%, 10% |
| CMY | 0.9960, 0.2211, 0.8964 |
| CMYK | 0.99, 0.00, 0.87, 0.22 |
| HSL | 128°, 99%, 39% |
| HSV | 128°, 99%, 78% |
| XYZ | 20.5370, 40.7494, 7.7843 |
| YIQ | 120.0760, -62.4750, -95.7790 |

Conversions

Conversions Part 2

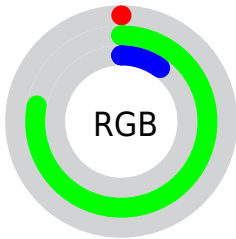
| Format | Color |
|-------------------------------------|---|
| RYB | 1, 177, 199 |
| Decimal | 116506 |
| CIELab | 70.00, -70.66, 65.27 |
| CIELCh | 70, 96.189, 137.270 |
| Yxy | 40.7494, 0.2973, 0.5900 |
| Android (android.graphics.Color) | 4278306586 (0xFF01C71A) |
| YUV | 120.0760, -46.3795, -104.4297 |
| Hunter-Lab | 63.8353, -54.2851, 37.4546 |

Details

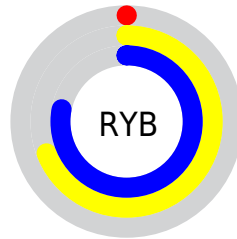
The CIELCh color **70, 96.189, 137.270** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **46, 86.473, 334.115**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 95.248, 137.226**, and **51, 77.861, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 96.364, 137.226**, and if you desaturate by 10%, it is **70, 91.890, 138.445**.

Distribution



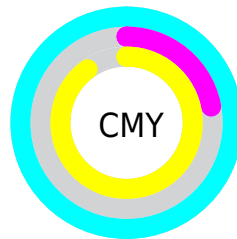
- Red (0%)
- Green (78%)
- Blue (10%)



- Red (0%)
- Yellow (69%)
- Blue (78%)



- Cyan (99%)
- Magenta (0%)
- Yellow (87%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 96.189, 137.270 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 70, 96.189, 137.270 by changing the saturation by 10% instead.


 70, 96.189,
137.270


 70, 96.189,
137.270


 100, 96.189,
137.270


 60, 96.189,
137.270


 90, 96.189,
137.270

 50, 96.189,
137.270

 40, 96.189,
137.270

 30, 96.189,
137.270

 20, 96.189,
137.270

 10, 96.189,
137.270

 0, 96.189, 137.270

■ 70, 96.189,
137.270

■ 70, 96.189,
137.270

■ 70, 96.364,
137.226

■ 70, 91.890,
138.445

■ 71, 85.697,
139.840

■ 71, 77.785,
141.277

■ 72, 68.460,
142.657

■ 73, 58.048,
143.920

■ 74, 46.860,
145.041

■ 75, 35.179,
146.017

■ 77, 23.250,

146.861

■ 78, 11.269,
147.594

Harmonies

Complementary

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



70, 96.189, 137.270



46, 86.473, 334.115

Rectangle

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



70, 96.189, 137.270



70, 96.189, 187.270



70, 96.189, 317.270



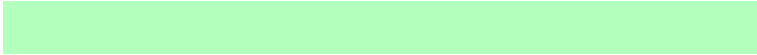
70, 96.189, 7.270

Sweetspot

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



70, 96.189, 137.271



94, 43.827, 145.930



76, 80.953, 109.966



49, 29.847, 145.524



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 96.189, 137.271



88, 116.811, 137.050



71, 64.773, 155.831



41, 6.742, 147.601



58, 82.933, 137.408



11, 24.988, 145.879

Inverse Universe

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



46, 86.473, 334.115



59, 104.289, 334.247



42, 70.413, 13.326



39, 6.757, 328.679



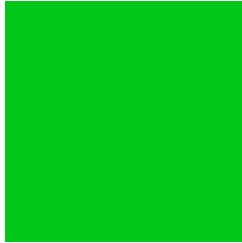
37, 74.900, 334.051



4, 23.918, 331.743

Previews

White Background



This preview shows how the CIELCh color 70, 96.189, 137.270 looks on a white background.

Color Contrast Check

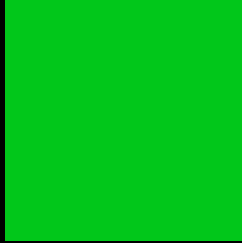
Large Text (above 18pt) WCAG AA × Fail

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 70, 96.189, 137.270 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

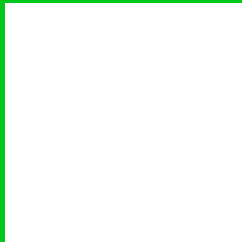
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 96.189, 137.270

Background



This preview shows how black text looks on a background with the CIELCh color 70, 96.189, 137.270.



This preview shows how white text looks on a background with the CIELCh color 70, 96.189, 137.270.

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

70, 96.413, 137.235

Protanopia

69, 70.009, 95.210

Deuteranopia

69, 62.169, 81.616



Tritanopia
70, 30.069, 213.312

Trichromacy



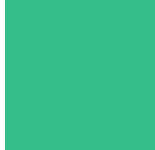
Original Color
70, 96.413, 137.235



Protanomaly
67, 76.716, 121.698



Deuteranomaly
67, 67.601, 118.040



Tritanomaly
69, 51.471, 161.315

Monochromacy



Original Color
70, 96.413, 137.235



Achromatopsia
50, 0.007, 296.813



Achromatomaly
56, 45.097, 144.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 96.189, 137.270 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(1, 199, 26)` looks like.

```
.text, #text, p{  
    color:rgb(1, 199, 26)  
}
```

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(1, 199, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 199, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 96.189, 137.270 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(1, 199, 26) }
```

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

```
.border{ border-color:rgb(1, 199, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 199, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 199, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 199, 26);  
box-shadow:4px 4px 4px 4px rgb(1, 199, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 70, 96.189, 137.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 199, 26) }
```

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

```
.background{ background-color: rgb(1, 199,  
26) }
```

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