

Converting Colors

CIELCh(70, 96.352, 134.488)

Have a look what the booklet for
CIELCh(70, 96.352, 134.488)
contains.

CIELCh(70, 96.463, 134.504)	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, 96.463, 134.504)

Conversions

Conversions Part 1

Format	Color
Hex	2CC603
RGB	44, 198, 3
RGB Percent	17%, 78%, 1%
CMY	0.8263, 0.2251, 0.9885
CMYK	0.78, 0.00, 0.99, 0.23
HSL	107°, 97%, 39%
HSV	107°, 99%, 77%
XYZ	21.1675, 40.7494, 6.8331
YIQ	129.7240, -29.1890, -93.2930

Conversions

Conversions Part 2

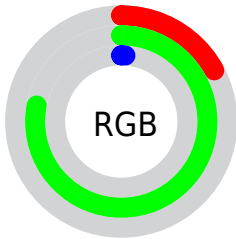
Format	Color
RYB	3, 198, 157
Decimal	2934275
CIELab	70.00, -67.62, 68.80
CIELCh	70, 96.463, 134.504
Yxy	40.7494, 0.3079, 0.5927
Android (android.graphics.Color)	4281124355 (0xFF2CC603)
YUV	129.7240, -62.4749, -75.1799
Hunter-Lab	63.8353, -52.5218, 38.3382

Details

The CIELCh color **70, 96.463, 134.504** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **40, 96.990, 320.304**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.151, 134.459**, and **51, 77.464, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 96.919, 134.545**, and if you desaturate by 10%, it is **70, 92.760, 134.155**.

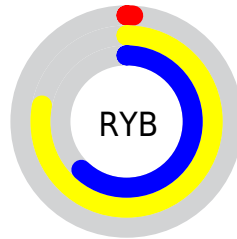
Distribution



Red (17%)

Green (78%)

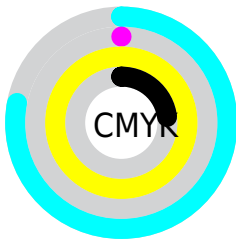
Blue (1%)



Red (1%)

Yellow (78%)

Blue (62%)

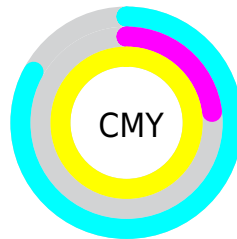


Cyan (78%)

Magenta (0%)

Yellow (99%)

Black (23%)



Cyan (83%)


Magenta (23%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 96.463, 134.504 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, 96.463, 134.504 by changing the saturation by 10% instead.


 70, 96.463,
134.504


 70, 96.463,
134.504


 100, 96.463,
134.504


 60, 96.463,
134.504


 90, 96.463,
134.504

 50, 96.463,
134.504

 40, 96.463,
134.504

 30, 96.463,
134.504

 20, 96.463,
134.504

 10, 96.463,
134.504

 0, 96.463, 134.504

■ 70, 96.463,
134.504

■ 70, 96.463,
134.504

■ 70, 96.919,
134.545

■ 70, 92.760,
134.155

■ 71, 86.785,
134.158

■ 71, 78.688,
134.497

■ 72, 68.974,
135.045

■ 73, 58.139,
135.688

■ 74, 46.586,
136.347

■ 75, 34.622,
136.975

■ 77, 22.469,

137.551

■ 78, 10.294,
138.072

Harmonies

Complementary

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



70, 96.463, 134.504



40, 96.990, 320.304

Rectangle

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



70, 96.463, 134.504



70, 96.463, 184.504



70, 96.463, 314.504



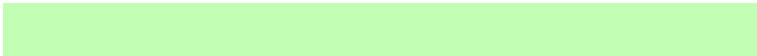
70, 96.463, 4.504

Sweetspot

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



70, 96.462, 134.505



94, 44.779, 136.857



66, 69.699, 86.561



50, 30.508, 136.590



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, 96.462, 134.505



88, 117.657, 134.690



70, 88.007, 140.808



41, 6.891, 138.029



59, 83.946, 134.406



11, 25.061, 139.358

Inverse Universe

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



40, 96.990, 320.304



51, 118.064, 320.123



44, 76.861, 343.509



39, 6.931, 318.827



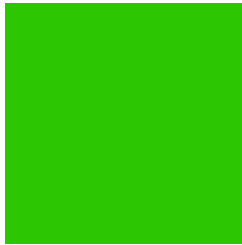
32, 84.469, 320.337



3, 24.335, 317.842

Previews

White Background



This preview shows how the CIELCh color 70, 96.463, 134.504 looks on a white background.

Color Contrast Check

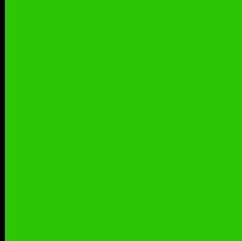
Large Text (above 18pt) WCAG AA × Fail

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, 96.463, 134.504 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, 96.463, 134.504

Background



This preview shows how black text looks on a background with the CIELCh color 70, 96.463, 134.504.



This preview shows how white text looks on a background with the CIELCh color 70, 96.463, 134.504.

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, 96.638, 134.534

Protanopia

69, 72.207, 95.222

Deuteranopia

69, 64.566, 82.162



Tritanopia
70, 28.113, 214.601

Trichromacy



Original Color
70, 96.638, 134.534



Protanomaly
68, 77.091, 116.508



Deuteranomaly
67, 69.198, 111.356



Tritanomaly
69, 51.095, 155.154

Monochromacy



Original Color
70, 96.638, 134.534



Achromatopsia
54, 0.007, 296.813



Achromatomaly
59, 45.231, 135.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 96.463, 134.504 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(44, 198, 3)` looks like.

```
.text, #text, p{  
    color:rgb(44, 198, 3)  
}
```

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(44, 198, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 198, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 96.463, 134.504 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(44, 198, 3) }
```

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

```
.border{ border-color:rgb(44, 198, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 198, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 198, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 198, 3);  
box-shadow:4px 4px 4px 4px rgb(44, 198, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 70, 96.463, 134.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 198, 3) }
```

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

```
.background{ background-color: rgb(44, 198,  
3) }
```

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