

Converting Colors

CIELCh(70, 110.686, 129.483)

Have a look what the booklet for
CIELCh(70, 110.686, 129.483)
contains.

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Color

CIELCh(70, 96.994, 134.487)

Conversions

Conversions Part 1

Format	Color
Hex	2AC600
RGB	42, 198, 0
RGB Percent	16%, 78%, 0%
CMY	0.8335, 0.2247, 1.0000
CMYK	0.79, 0.00, 1.00, 0.22
HSL	107°, 100%, 39%
HSV	107°, 100%, 78%
XYZ	21.0939, 40.7494, 6.7307
YIQ	128.7840, -29.4180, -94.6500

Conversions

Conversions Part 2

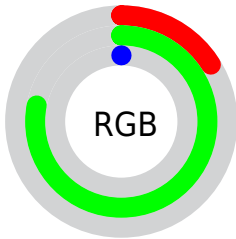
Format	Color
RYB	0, 198, 156
Decimal	2803200
CIELab	70.00, -67.97, 69.20
CIELCh	70, 96.994, 134.487
Yxy	40.7494, 0.3076, 0.5942
Android (android.graphics.Color)	4280993280 (0xFF2AC600)
YUV	128.7840, -63.4905, -76.1096
Hunter-Lab	63.8353, -52.7276, 38.4332

Details

The CIELCh color **70, 96.994, 134.487** 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, 97.463, 320.155**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.608, 134.468**, and **51, 77.464, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 96.922, 134.517**, and if you desaturate by 10%, it is **70, 93.436, 134.152**.

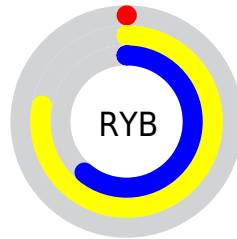
Distribution



Red (16%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (61%)

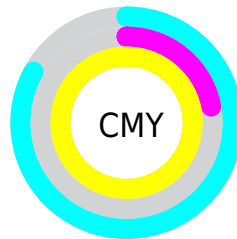


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (83%)


Magenta (22%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 96.994, 134.487 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, 96.994, 134.487 by changing the saturation by 10% instead.


 70, 96.994,
134.487


 70, 96.994,
134.487


 100, 96.994,
134.487

 60, 96.994,
134.487

 90, 96.994,
134.487

 50, 96.994,
134.487

 40, 96.994,
134.487

 30, 96.994,
134.487

 20, 96.994,
134.487

 10, 96.994,
134.487

 0, 96.994, 134.487

■ 70, 96.994,
134.487

■ 70, 96.994,
134.487

■ 70, 96.922,
134.517

■ 70, 93.436,
134.152

■ 71, 87.803,
134.090

■ 71, 79.987,
134.380

■ 72, 70.477,
134.901

■ 73, 59.780,
135.531

■ 74, 48.314,
136.188

■ 75, 36.398,
136.820

■ 77, 24.265,

137.403

■ 78, 12.088,
137.930

Harmonies

Complementary

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



70, 96.994, 134.487



40, 97.463, 320.155

Rectangle

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



70, 96.994, 134.487



70, 96.994, 184.487



70, 96.994, 314.487



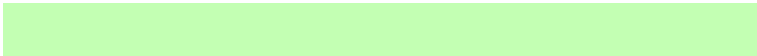
70, 96.994, 4.487

Sweetspot

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



70, 96.922, 134.517



94, 44.747, 136.792



66, 70.023, 86.322



50, 30.486, 136.526



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, 96.922, 134.517



88, 117.614, 134.662



70, 88.759, 140.555



41, 6.886, 137.961



59, 83.914, 134.377



11, 25.045, 139.309

Inverse Universe

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



40, 97.463, 320.155



51, 118.106, 320.043



44, 76.974, 343.767



39, 6.927, 318.757



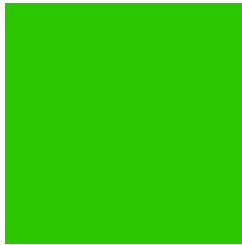
32, 84.497, 320.259



3, 24.312, 317.739

Previews

White Background



This preview shows how the CIELCh color 70, 96.994, 134.487 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, 96.994, 134.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

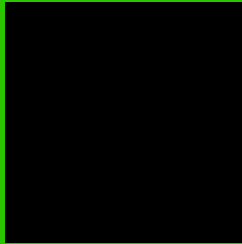
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 96.994, 134.487

Background



This preview shows how black text looks on a background with the CIELCh color 70, 96.994, 134.487.



This preview shows how white text looks on a background with the CIELCh color 70, 96.994, 134.487.

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, 97.075, 134.551

Protanopia

69, 72.207, 95.222

Deuteranopia

69, 64.566, 82.162



Tritanopia
70, 28.315, 214.461

Trichromacy



Original Color
70, 97.075, 134.551



Protanomaly
68, 77.319, 116.771



Deuteranomaly
67, 69.502, 111.661



Tritanomaly
69, 51.828, 155.016

Monochromacy



Original Color
70, 97.075, 134.551



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 45.727, 135.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 96.994, 134.487 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(42, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 198, 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(42, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 198, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 96.994, 134.487 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(42, 198, 0) }
```

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

```
.border{ border-color:rgb(42, 198, 0) }
```

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

Here you see how a box with a 4 pixel rgb(42, 198, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 198, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 70, 96.994, 134.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 198, 0) }
```

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

```
.background{ background-color: rgb(42, 198,  
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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