

Converting Colors

CIELCh(70, 95.647, 134.610)

Have a look what the booklet for
CIELCh(70, 95.647, 134.610)
contains.

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Color

CIELCh(70, 95.529, 134.603)

Conversions

Conversions Part 1

Format	Color
Hex	2FC50A
RGB	47, 197, 10
RGB Percent	18%, 77%, 4%
CMY	0.8168, 0.2257, 0.9599
CMYK	0.76, 0.00, 0.95, 0.23
HSL	108°, 90%, 41%
HSV	108°, 95%, 77%
XYZ	21.2803, 40.7494, 7.0367
YIQ	130.8320, -29.3730, -89.9570

Conversions

Conversions Part 2

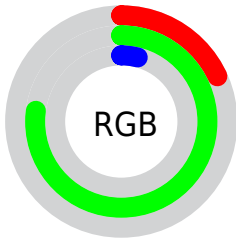
Format	Color
RYB	10, 197, 160
Decimal	3130634
CIELab	70.00, -67.08, 68.02
CIELCh	70, 95.529, 134.603
Yxy	40.7494, 0.3081, 0.5900
Android (android.graphics.Color)	4281320714 (0xFF2FC50A)
YUV	130.8320, -59.5702, -73.5207
Hunter-Lab	63.8353, -52.2066, 38.1490

Details

The CIELCh color **70, 95.529, 134.603** 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 **41, 95.743, 321.079**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 95.373, 134.569**, and **51, 77.464, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 97.125, 134.753**, and if you desaturate by 10%, it is **70, 91.109, 134.410**.

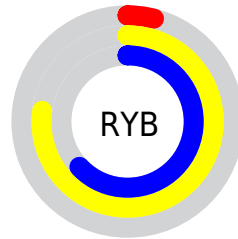
Distribution



Red (18%)

Green (77%)

Blue (4%)



Red (4%)

Yellow (77%)

Blue (63%)

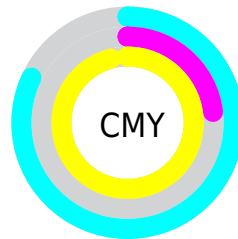


Cyan (76%)

Magenta (0%)

Yellow (95%)

Black (23%)



Cyan (82%)


Magenta (23%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 95.529, 134.603 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, 95.529, 134.603 by changing the saturation by 10% instead.


 70, 95.529,
134.603


 70, 95.529,
134.603


 100, 95.529,
134.603


 60, 95.529,
134.603


 90, 95.529,
134.603

 50, 95.529,
134.603

 40, 95.529,
134.603

 30, 95.529,
134.603

 20, 95.529,
134.603

 10, 95.529,
134.603

 0, 95.529, 134.603

■ 70, 95.529,
134.603

■ 70, 95.529,
134.603

■ 70, 97.125,
134.753

■ 70, 91.109,
134.410

■ 71, 84.323,
134.603

■ 72, 75.567,
135.078

■ 72, 65.364,
135.709

■ 73, 54.185,
136.394

■ 74, 42.399,
137.067

■ 76, 30.284,
137.694

■ 77, 18.047,

138.262

■ 79, 5.837, 138.781

Harmonies

Complementary

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



70, 95.529, 134.603



41, 95.743, 321.079

Rectangle

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



70, 95.529, 134.603



70, 95.529, 184.603



70, 95.529, 314.603



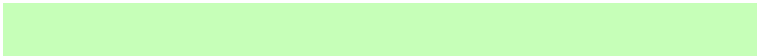
70, 95.529, 4.603

Sweetspot

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



70, 95.528, 134.604



95, 42.038, 137.475



67, 69.486, 88.572



50, 28.992, 137.198



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, 95.528, 134.604



88, 117.965, 134.888



70, 85.082, 142.003



41, 6.928, 138.546



59, 84.184, 134.624



11, 25.183, 139.726

Inverse Universe

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



41, 95.743, 321.079



52, 117.750, 320.745



44, 75.807, 344.008



39, 6.965, 319.356



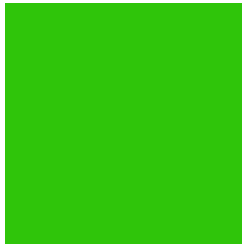
33, 84.254, 320.944



3, 24.518, 318.636

Previews

White Background



This preview shows how the CIELCh color 70, 95.529, 134.603 looks on a white background.

Color Contrast Check

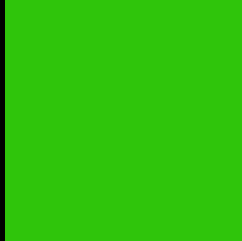
Large Text (above 18pt) WCAG AA × Fail

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, 95.529, 134.603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

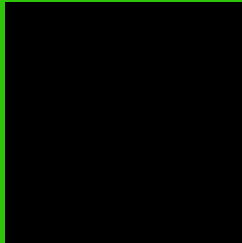
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 95.529, 134.603

Background



This preview shows how black text looks on a background with the CIELCh color 70, 95.529, 134.603.



This preview shows how white text looks on a background with the CIELCh color 70, 95.529, 134.603.

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

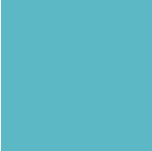
70, 95.351, 134.569

Protanopia

69, 72.207, 95.222

Deuteranopia

69, 64.566, 82.162



Tritanopia
70, 27.860, 213.572

Trichromacy



Original Color
70, 95.351, 134.569



Protanomaly
68, 76.639, 116.300



Deuteranomaly
67, 68.395, 111.148



Tritanomaly
69, 50.134, 155.871

Monochromacy



Original Color
70, 95.351, 134.569



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 43.667, 136.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 95.529, 134.603 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(47, 197, 10)` looks like.

```
.text, #text, p{  
    color:rgb(47, 197, 10)  
}
```

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(47, 197, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 197, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 95.529, 134.603 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(47, 197, 10) }
```

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

```
.border{ border-color:rgb(47, 197, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 197, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 197, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 197, 10);  
box-shadow:4px 4px 4px 4px rgb(47, 197,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 95.529, 134.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 197, 10) }
```

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

```
.background{ background-color: rgb(47, 197,  
10) }
```

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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