

Converting Colors

CIELCh(73, 96.822, 134.785)

Have a look what the booklet for
CIELCh(73, 96.822, 134.785)
contains.

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Color

CIELCh(73, 96.671, 134.740)

Conversions

Conversions Part 1

Format	Color
Hex	37CE17
RGB	55, 206, 23
RGB Percent	22%, 81%, 9%
CMY	0.7827, 0.1911, 0.9079
CMYK	0.73, 0.00, 0.89, 0.19
HSL	110°, 80%, 45%
HSV	110°, 89%, 81%
XYZ	23.8966, 45.1644, 8.2943
YIQ	139.9890, -31.2530, -88.9250

Conversions

Conversions Part 2

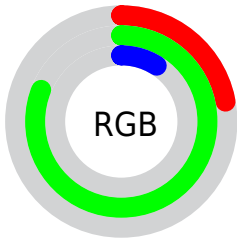
Format	Color
R_{YB}	23, 206, 174
Decimal	3657239
CIE _{Lab}	73.00, -68.05, 68.67
CIE _{LCh}	73, 96.671, 134.740
Yxy	45.1644, 0.3089, 0.5839
Android (android.graphics.Color)	4281847319 (0xFF37CE17)
YUV	139.9890, -57.6756, -74.5354
Hunter-Lab	67.2044, -54.1367, 39.7256

Details

The CIELCh color **73, 96.671, 134.740** 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 **44, 96.721, 321.990**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.189, 134.645**, and **54, 80.626, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 100.278, 134.974**, and if you desaturate by 10%, it is **73, 90.637, 134.852**.

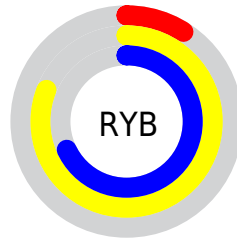
Distribution



Red (22%)

Green (81%)

Blue (9%)



Red (9%)

Yellow (81%)

Blue (68%)

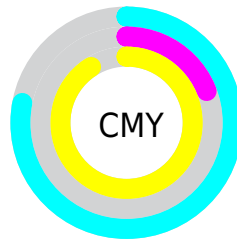


Cyan (73%)

Magenta (0%)

Yellow (89%)

Black (19%)



Cyan (78%)


Magenta (19%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 96.671, 134.740 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 73, 96.671, 134.740 by changing the saturation by 10% instead.


 73, 96.671,
134.740


 73, 96.671,
134.740


 100, 96.671,
134.740


 63, 96.671,
134.740


 93, 96.671,
134.740

 53, 96.671,
134.740

 43, 96.671,
134.740

 33, 96.671,
134.740

 23, 96.671,
134.740

 13, 96.671,
134.740

 3, 96.671, 134.740

■ 0, 96.671, 134.740

■ 73, 96.671,
134.740

■ 73, 96.671,
134.740

■ 73, 100.278,
134.974

■ 73, 90.637,
134.852

■ 73, 100.684,
134.996

■ 74, 82.329,
135.288

■ 75, 72.270,
135.921

■ 76, 60.989,
136.635

■ 77, 48.920,
137.350

■ 78, 36.393,
138.023

■ 80, 23.658,
138.633

■ 81, 10.897,
139.179

■ 83, 1.759, 319.499

Harmonies

Complementary

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



73, 96.671, 134.740



44, 96.721, 321.990

Rectangle

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



73, 96.671, 134.740



73, 96.671, 184.740



73, 96.671, 314.740



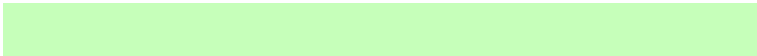
73, 96.671, 4.740

Sweetspot

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



73, 96.671, 134.741



95, 40.801, 138.105



72, 70.864, 90.756



50, 27.476, 137.881



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 96.671, 134.741



88, 118.290, 135.096



73, 83.468, 143.733



42, 7.118, 139.138



59, 85.421, 134.864



12, 27.244, 139.391

Inverse Universe

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



44, 96.721, 321.990



53, 117.406, 321.479



47, 76.833, 344.038



40, 7.153, 319.966



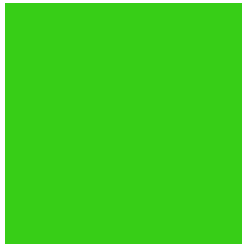
34, 84.988, 321.653



4, 27.237, 320.498

Previews

White Background



This preview shows how the CIELCh color 73, 96.671, 134.740 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 73, 96.671, 134.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

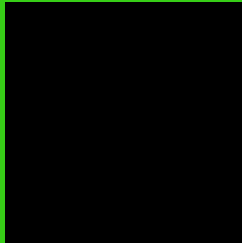
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 96.671, 134.740

Background



This preview shows how black text looks on a background with the CIELCh color 73, 96.671, 134.740.

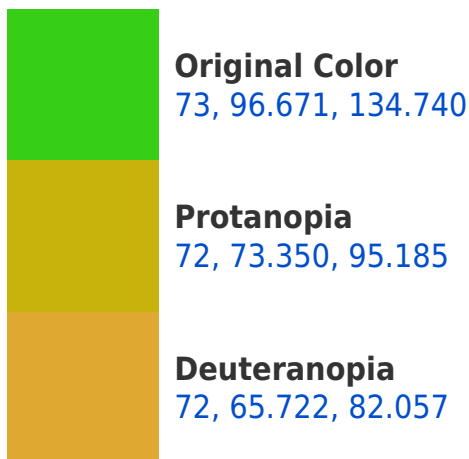


This preview shows how white text looks on a background with the CIELCh color 73, 96.671, 134.740.

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
73, 28.221, 214.434

Trichromacy



Original Color
73, 96.671, 134.740



Protanomaly
71, 77.655, 116.140



Deuteranomaly
71, 69.079, 111.160



Tritanomaly
72, 49.241, 157.108

Monochromacy



Original Color
73, 96.671, 134.740



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 42.380, 137.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 96.671, 134.740 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(55, 206, 23)` looks like.

```
.text, #text, p{  
    color:rgb(55, 206, 23)  
}
```

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(55, 206, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 206, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 96.671, 134.740 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(55, 206, 23) }
```

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

```
.border{ border-color:rgb(55, 206, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 206, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 206, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 206, 23);  
box-shadow:4px 4px 4px 4px rgb(55, 206,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 96.671, 134.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 206, 23) }
```

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

```
.background{ background-color: rgb(55, 206,  
23) }
```

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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