

Converting Colors

CIELCh(71, 92.849, 134.780)

Have a look what the booklet for
CIELCh(71, 92.849, 134.780)
contains.

CIELCh(71, 92.888, 134.813)	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(71, 92.888, 134.813)

Conversions

Conversions Part 1

Format	Color
Hex	3AC81D
RGB	58, 200, 29
RGB Percent	23%, 78%, 11%
CMY	0.7737, 0.2165, 0.8874
CMYK	0.71, 0.00, 0.86, 0.22
HSL	110°, 75%, 45%
HSV	110°, 86%, 78%
XYZ	22.5501, 42.1875, 8.0970
YIQ	138.0480, -29.7410, -83.2850

Conversions

Conversions Part 2

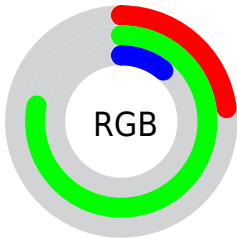
Format	Color
RYB	29, 200, 171
Decimal	3852317
CIELab	71.00, -65.47, 65.90
CIELCh	71, 92.888, 134.813
Yxy	42.1875, 0.3096, 0.5792
Android (android.graphics.Color)	4282042397 (0xFF3AC81D)
YUV	138.0480, -53.7607, -70.2021
Hunter-Lab	64.9519, -51.6938, 38.0752

Details

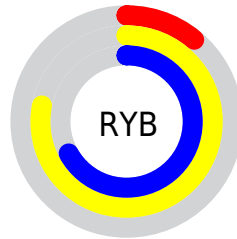
The CIELCh color **71, 92.888, 134.813** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **44, 93.006, 322.242**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 91.362, 134.768**, and **52, 78.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **71, 97.056, 134.952**, and if you desaturate by 10%, it is **71, 86.276, 135.056**.

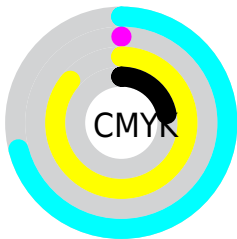
Distribution



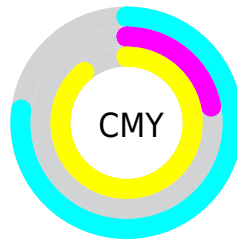
- Red (23%)
- Green (78%)
- Blue (11%)



- Red (11%)
- Yellow (78%)
- Blue (67%)



- Cyan (71%)
- Magenta (0%)
- Yellow (86%)
- Black (22%)





- Cyan (77%)
- Magenta (22%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 92.888, 134.813 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 71, 92.888, 134.813 by changing the saturation by 10% instead.


 71, 92.888,
134.813


 71, 92.888,
134.813


 100, 92.888,
134.813


 61, 92.888,
134.813


 91, 92.888,
134.813

 51, 92.888,
134.813

 41, 92.888,
134.813

 31, 92.888,
134.813

 21, 92.888,
134.813

 11, 92.888,
134.813

 1, 92.888, 134.813

■ 0, 92.888, 134.813

■ 71, 92.888,
134.813

■ 71, 92.888,
134.813

■ 71, 97.056,
134.952

■ 71, 86.276,
135.056

■ 71, 98.350,
135.031

■ 72, 77.591,
135.581

■ 73, 67.364,
136.260

■ 74, 56.084,
136.989

■ 75, 44.141,
137.701

■ 76, 31.832,
138.360

■ 78, 19.379,
138.952

■ 80, 6.944, 139.488

■ 81, 5.357, 319.863

Harmonies

Complementary

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



71, 92.888, 134.813



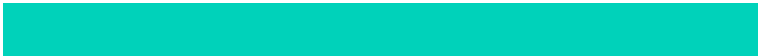
44, 93.006, 322.242

Rectangle

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



71, 92.888, 134.813



71, 92.888, 184.813



71, 92.888, 314.813



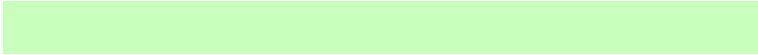
71, 92.888, 4.813

Sweetspot

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



71, 92.888, 134.814



95, 39.357, 138.313



70, 68.041, 91.168



50, 26.667, 138.087



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 92.888, 134.814



88, 118.368, 135.145



71, 79.591, 144.351



41, 6.982, 139.291



59, 84.499, 134.908



11, 25.363, 140.258

Inverse Universe

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



44, 93.006, 322.242



53, 117.322, 321.670



46, 74.326, 343.484



39, 7.016, 320.120



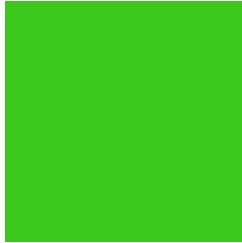
34, 83.962, 321.847



4, 24.800, 319.804

Previews

White Background



This preview shows how the CIELCh color 71, 92.888, 134.813 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 71, 92.888, 134.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

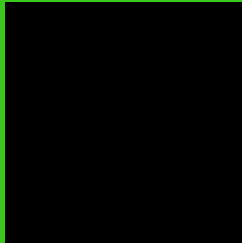
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

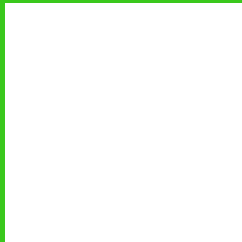
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 92.888, 134.813

Background



This preview shows how black text looks on a background with the CIELCh color 71, 92.888, 134.813.



This preview shows how white text looks on a background with the CIELCh color 71, 92.888, 134.813.

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

71, 92.888, 134.813

Protanopia

70, 70.465, 95.332

Deuteranopia

70, 63.234, 82.038



Tritanopia
71, 27.094, 215.309

Trichromacy



Original Color
71, 92.888, 134.813



Protanomaly
69, 74.736, 116.165



Deuteranomaly
69, 66.201, 110.879



Tritanomaly
70, 46.680, 157.796

Monochromacy



Original Color
71, 92.888, 134.813



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 39.902, 137.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 92.888, 134.813 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(58, 200, 29)` looks like.

```
.text, #text, p{  
    color:rgb(58, 200, 29)  
}
```

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(58, 200, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 200, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 92.888, 134.813 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(58, 200, 29) }
```

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

```
.border{ border-color:rgb(58, 200, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 200, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 200, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 200, 29);  
box-shadow:4px 4px 4px 4px rgb(58, 200,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 92.888, 134.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 200, 29) }
```

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

```
.background{ background-color: rgb(58, 200,  
29) }
```

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