

Converting Colors

CIELCh(71, 86.468, 142.305)

Have a look what the booklet for
CIELCh(71, 86.468, 142.305)
contains.

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Color

CIELCh(71, 86.430, 142.251)

Conversions

Conversions Part 1

Format	Color
Hex	00C944
RGB	0, 201, 68
RGB Percent	0%, 79%, 27%
CMY	1.0000, 0.2118, 0.7333
CMYK	1.00, 0.00, 0.66, 0.21
HSL	140°, 100%, 39%
HSV	140°, 100%, 79%
XYZ	21.9280, 42.1875, 12.4554
YIQ	125.7390, -77.1030, -83.9750

Conversions

Conversions Part 2

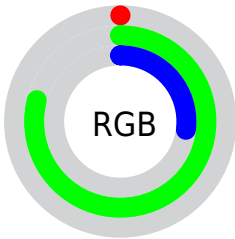
Format	Color
RYB	0, 150, 201
Decimal	51524
CIELab	71.00, -68.34, 52.91
CIELCh	71, 86.430, 142.251
Yxy	42.1875, 0.2864, 0.5510
Android (android.graphics.Color)	4278241604 (0xFF00C944)
YUV	125.7390, -28.4653, -110.2731
Hunter-Lab	64.9519, -53.4036, 34.0967

Details

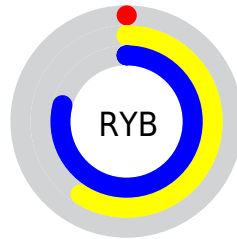
The CIELCh color **71, 86.430, 142.251** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **44, 75.307, 347.959**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 84.174, 142.531**, and **52, 78.366, 136.166** is the 20% darker color. If you saturate the color by 10%, you get **71, 86.429, 142.251**, and if you desaturate by 10%, it is **71, 81.186, 144.251**.

Distribution



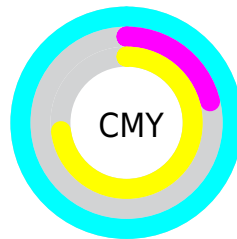
- Red (0%)
- Green (79%)
- Blue (27%)



- Red (0%)
- Yellow (59%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 86.430, 142.251 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, 86.430, 142.251 by changing the saturation by 10% instead.


 71, 86.430,
142.251


 71, 86.430,
142.251


 100, 86.430,
142.251


 61, 86.430,
142.251


 91, 86.430,
142.251

 51, 86.430,
142.251

 41, 86.430,
142.251

 31, 86.430,
142.251

 21, 86.430,
142.251

 11, 86.430,
142.251

 1, 86.430, 142.251

■ 0, 86.430, 142.251

■ 71, 86.430,
142.251

■ 71, 86.430,
142.251

■ 71, 86.429,
142.251

■ 71, 81.186,
144.251

■ 72, 74.964,
146.216

■ 72, 67.708,
148.022

■ 73, 59.510,
149.639

■ 74, 50.520,
151.064

■ 75, 40.919,
152.309

■ 76, 30.899,
153.394

■ 78, 20.638,
154.342

■ 79, 10.294,
155.185

Harmonies

Complementary

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



71, 86.430, 142.251



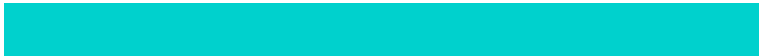
44, 75.307, 347.959

Rectangle

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



71, 86.430, 142.251



71, 86.430, 192.251



71, 86.430, 322.251



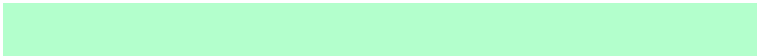
71, 86.430, 12.251

Sweetspot

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



71, 86.429, 142.251



94, 37.476, 153.351



74, 86.383, 121.538



49, 25.508, 152.903



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, 86.429, 142.251



88, 104.128, 141.941



73, 49.886, 174.255



41, 5.786, 155.235



59, 73.479, 142.588



11, 22.422, 150.380

Inverse Universe

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



44, 75.307, 347.959



56, 89.848, 348.336



42, 79.668, 32.166



39, 5.821, 336.503



36, 64.704, 347.561



4, 19.925, 342.945

Previews

White Background



This preview shows how the CIELCh color 71, 86.430, 142.251 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, 86.430, 142.251 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, 86.430, 142.251

Background



This preview shows how black text looks on a background with the CIELCh color 71, 86.430, 142.251.



This preview shows how white text looks on a background with the CIELCh color 71, 86.430, 142.251.

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, 86.430, 142.251

Protanopia

71, 58.363, 95.473

Deuteranopia

70, 50.412, 79.655



Tritanopia
71, 31.047, 212.702

Trichromacy



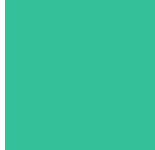
Original Color
71, 86.430, 142.251



Protanomaly
68, 65.764, 126.339



Deuteranomaly
67, 55.369, 123.038



Tritanomaly
70, 47.049, 168.865

Monochromacy



Original Color
71, 86.430, 142.251



Achromatopsia
53, 0.007, 296.813



Achromatomaly
58, 38.650, 151.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 86.430, 142.251 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(0, 201, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 68)  
}
```

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(0, 201, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 86.430, 142.251 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(0, 201, 68) }
```

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

```
.border{ border-color:rgb(0, 201, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 201, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 71, 86.430, 142.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 68) }
```

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

```
.background{ background-color: rgb(0, 201,  
68) }
```

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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