

Converting Colors

CIELCh(73, 86.652, 143.078)

Have a look what the booklet for
CIELCh(73, 86.652, 143.078)
contains.

CIELCh(73, 86.751, 143.029)	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(73, 86.751, 143.029)

Conversions

Conversions Part 1

Format	Color
Hex	01CF4B
RGB	1, 207, 75
RGB Percent	0%, 81%, 29%
CMY	0.9952, 0.1880, 0.7057
CMYK	0.99, 0.00, 0.64, 0.19
HSL	142°, 99%, 41%
HSV	142°, 99%, 81%
XYZ	23.6108, 45.1644, 14.1378
YIQ	130.3580, -80.4040, -84.7240

Conversions

Conversions Part 2

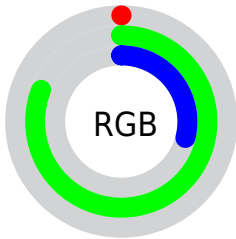
Format	Color
RYB	1, 153, 207
Decimal	118603
CIELab	73.00, -69.31, 52.17
CIELCh	73, 86.751, 143.029
Yxy	45.1644, 0.2848, 0.5447
Android (android.graphics.Color)	4278308683 (0xFF01CF4B)
YUV	130.3580, -27.2915, -113.4470
Hunter-Lab	67.2044, -54.8958, 34.5703

Details

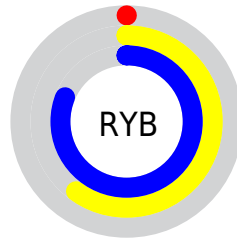
The CIELCh color **73, 86.751, 143.029** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **46, 76.079, 349.508**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 81.245, 143.664**, and **54, 78.961, 137.077** is the 20% darker color. If you saturate the color by 10%, you get **73, 87.051, 142.915**, and if you desaturate by 10%, it is **73, 81.395, 145.090**.

Distribution



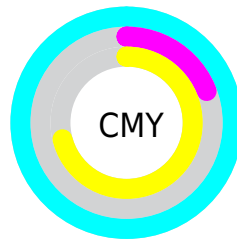
- Red (0%)
- Green (81%)
- Blue (29%)



- Red (0%)
- Yellow (60%)
- Blue (81%)



- Cyan (99%)
- Magenta (0%)
- Yellow (64%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 86.751, 143.029 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, 86.751, 143.029 by changing the saturation by 10% instead.


 73, 86.751,
143.029

 73, 86.751,
143.029


 100, 86.751,
143.029


 63, 86.751,
143.029


 93, 86.751,
143.029

 53, 86.751,
143.029

 43, 86.751,
143.029

 33, 86.751,
143.029

 23, 86.751,
143.029

 13, 86.751,
143.029

 3, 86.751, 143.029

■ 0, 86.751, 143.029

■ 73, 86.751,
143.029

■ 73, 86.751,
143.029

■ 73, 87.051,
142.915

■ 73, 81.395,
145.090

■ 74, 75.064,
147.082

■ 74, 67.710,
148.902

■ 75, 59.422,
150.527

■ 76, 50.343,
151.956

■ 77, 40.655,
153.204

■ 78, 30.547,
154.294

■ 80, 20.199,
155.249

■ 81, 9.767, 156.101

Harmonies

Complementary

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



73, 86.751, 143.029



46, 76.079, 349.508

Rectangle

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



73, 86.751, 143.029



73, 86.751, 193.029



73, 86.751, 323.029



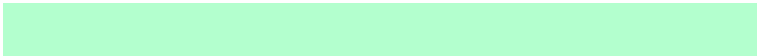
73, 86.751, 13.029

Sweetspot

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



73, 86.751, 143.029



94, 36.889, 154.196



76, 88.646, 122.264



49, 25.104, 153.743



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, 86.751, 143.029



88, 102.486, 142.641



75, 49.885, 176.185



43, 5.939, 156.101



60, 74.056, 143.248



13, 25.083, 149.258

Inverse Universe

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



46, 76.079, 349.508



56, 88.846, 350.014



43, 82.102, 33.102



41, 5.979, 337.402



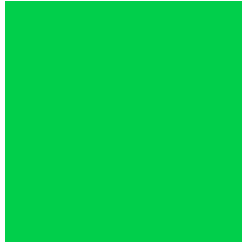
37, 65.416, 349.234



5, 23.685, 344.530

Previews

White Background



This preview shows how the CIELCh color 73, 86.751, 143.029 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, 86.751, 143.029 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, 86.751, 143.029

Background



This preview shows how black text looks on a background with the CIELCh color 73, 86.751, 143.029.



This preview shows how white text looks on a background with the CIELCh color 73, 86.751, 143.029.

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

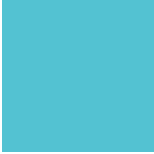
73, 86.751, 143.029

Protanopia

72, 57.515, 95.620

Deuteranopia

72, 49.511, 79.060



Tritanopia
73, 31.941, 213.190

Trichromacy



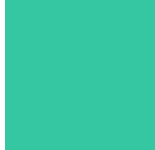
Original Color
73, 86.751, 143.029



Protanomaly
70, 65.772, 127.397



Deuteranomaly
70, 55.040, 124.036



Tritanomaly
72, 47.542, 170.081

Monochromacy



Original Color
73, 86.751, 143.029



Achromatopsia
54, 0.007, 296.813



Achromatomaly
59, 38.929, 152.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 86.751, 143.029 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(1, 207, 75)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 75)  
}
```

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(1, 207, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 86.751, 143.029 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(1, 207, 75) }
```

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

```
.border{ border-color:rgb(1, 207, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 207, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 75);  
box-shadow:4px 4px 4px 4px rgb(1, 207, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 73, 86.751, 143.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 75) }
```

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

```
.background{ background-color: rgb(1, 207,  
75) }
```

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