

Converting Colors

CIELCh(72, 95.722, 138.341)

Have a look what the booklet for
CIELCh(72, 95.722, 138.341)
contains.

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Color

CIELCh(72, 95.986, 138.292)

Conversions

Conversions Part 1

Format	Color
Hex	01CD28
RGB	1, 205, 40
RGB Percent	0%, 80%, 16%
CMY	0.9952, 0.1974, 0.8447
CMYK	0.99, 0.00, 0.81, 0.20
HSL	131°, 99%, 40%
HSV	131°, 99%, 80%
XYZ	22.1416, 43.6590, 9.2313
YIQ	125.1940, -68.6190, -94.5630

Conversions

Conversions Part 2

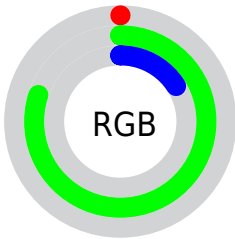
Format	Color
RYB	1, 172, 205
Decimal	118056
CIELab	72.00, -71.66, 63.86
CIELCh	72, 95.986, 138.292
Yxy	43.6590, 0.2951, 0.5819
Android (android.graphics.Color)	4278308136 (0xFF01CD28)
YUV	125.1940, -42.0006, -108.9181
Hunter-Lab	66.0750, -55.8161, 37.9691

Details

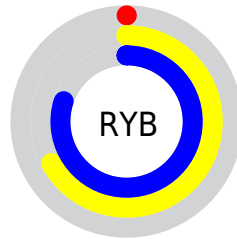
The CIELCh color **72, 95.986, 138.292** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **47, 84.432, 337.493**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 92.066, 138.376**, and **53, 80.232, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 96.236, 138.219**, and if you desaturate by 10%, it is **72, 91.043, 139.789**.

Distribution



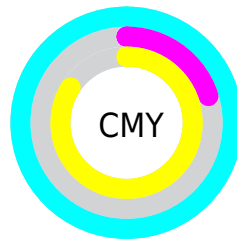
- Red (0%)
- Green (80%)
- Blue (16%)



- Red (0%)
- Yellow (67%)
- Blue (80%)



- Cyan (99%)
- Magenta (0%)
- Yellow (81%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 95.986, 138.292 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 72, 95.986, 138.292 by changing the saturation by 10% instead.


 72, 95.986,
138.292


 72, 95.986,
138.292


 100, 95.986,
138.292


 62, 95.986,
138.292


 92, 95.986,
138.292

 52, 95.986,
138.292

 42, 95.986,
138.292

 32, 95.986,
138.292

 22, 95.986,
138.292

 12, 95.986,
138.292

 2, 95.986, 138.292

0, 95.986, 138.292

72, 95.986,
138.292

72, 95.986,
138.292

72, 96.236,
138.219

72, 91.043,
139.789

73, 84.489,
141.407

73, 76.448,
142.987

74, 67.157,
144.454

75, 56.878,
145.771

76, 45.881,
146.928

■ 77, 34.419,
147.933

■ 79, 22.719,
148.801

■ 80, 10.966,
149.559

Harmonies

Complementary

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



72, 95.986, 138.292



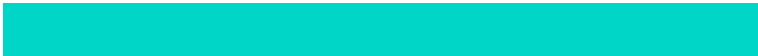
47, 84.432, 337.493

Rectangle

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



72, 95.986, 138.292



72, 95.986, 188.292



72, 95.986, 318.292



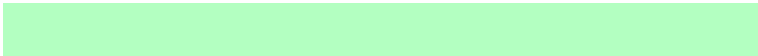
72, 95.986, 8.292

Sweetspot

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



72, 95.986, 138.293



94, 41.960, 147.841



77, 83.832, 113.816



49, 28.576, 147.424



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 95.986, 138.293



88, 114.126, 138.018



73, 61.102, 160.515



42, 6.594, 149.560



59, 81.796, 138.463



12, 26.114, 146.266

Inverse Universe

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



47, 84.432, 337.493



58, 99.522, 337.698



43, 73.663, 19.716



40, 6.614, 330.684



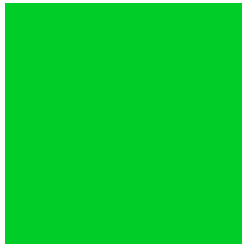
38, 72.373, 337.385



5, 24.890, 334.837

Previews

White Background



This preview shows how the CIELCh color 72, 95.986, 138.292 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 72, 95.986, 138.292 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 72, 95.986, 138.292

Background



This preview shows how black text looks on a background with the CIELCh color 72, 95.986, 138.292.



This preview shows how white text looks on a background with the CIELCh color 72, 95.986, 138.292.

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

72, 96.037, 138.328

Protanopia

71, 68.587, 95.015

Deuteranopia

71, 61.209, 81.239



Tritanopia
72, 30.946, 212.733

Trichromacy



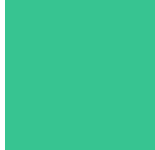
Original Color
72, 96.037, 138.328



Protanomaly
69, 75.707, 122.698



Deuteranomaly
68, 66.245, 118.854



Tritanomaly
71, 51.362, 162.940

Monochromacy



Original Color
72, 96.037, 138.328



Achromatopsia
52, 0.007, 296.813



Achromatomaly
58, 44.002, 146.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 95.986, 138.292 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, 205, 40)` looks like.

```
.text, #text, p{  
    color:rgb(1, 205, 40)  
}
```

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, 205, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 205, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 95.986, 138.292 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, 205, 40) }
```

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

```
.border{ border-color:rgb(1, 205, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 205, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 205, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 205, 40);  
box-shadow:4px 4px 4px 4px rgb(1, 205, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 95.986, 138.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 205, 40) }
```

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

```
.background{ background-color: rgb(1, 205,  
40) }
```

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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