

Converting Colors

CIELCh(72, 93.717, 139.235)

Have a look what the booklet for
CIELCh(72, 93.717, 139.235)
contains.

CIELCh(72, 94.035, 139.157)	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(72, 94.035, 139.157)

Conversions

Conversions Part 1

Format	Color
Hex	01CD30
RGB	1, 205, 48
RGB Percent	0%, 80%, 19%
CMY	0.9975, 0.1978, 0.8137
CMYK	1.00, 0.00, 0.77, 0.20
HSL	134°, 99%, 40%
HSV	134°, 100%, 80%
XYZ	22.2541, 43.6590, 9.9970
YIQ	126.1060, -71.1870, -92.0750

Conversions

Conversions Part 2

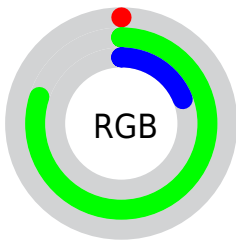
Format	Color
RYB	1, 167, 205
Decimal	118064
CIELab	72.00, -71.14, 61.50
CIELCh	72, 94.035, 139.157
Yxy	43.6590, 0.2932, 0.5751
Android (android.graphics.Color)	4278308144 (0xFF01CD30)
YUV	126.1060, -38.5063, -109.7180
Hunter-Lab	66.0750, -55.5123, 37.2820

Details

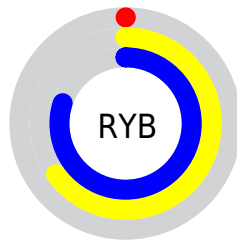
The CIELCh color **72, 94.035, 139.157** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **46, 81.892, 340.092**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 90.101, 139.398**, and **53, 80.232, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 94.178, 139.112**, and if you desaturate by 10%, it is **72, 88.880, 140.827**.

Distribution



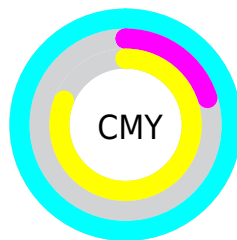
- Red (0%)
- Green (80%)
- Blue (19%)



- Red (0%)
- Yellow (65%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 94.035, 139.157 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, 94.035, 139.157 by changing the saturation by 10% instead.


 72, 94.035,
139.157


 72, 94.035,
139.157


 100, 94.035,
139.157


 62, 94.035,
139.157


 92, 94.035,
139.157

 52, 94.035,
139.157

 42, 94.035,
139.157

 32, 94.035,
139.157

 22, 94.035,
139.157

 12, 94.035,
139.157

 2, 94.035, 139.157

■ 0, 94.035, 139.157

■ 72, 94.035,
139.157

■ 72, 94.035,
139.157

■ 72, 94.178,
139.112

■ 72, 88.880,
140.827

■ 73, 82.324,
142.567

■ 73, 74.432,
144.226

■ 74, 65.393,
145.745

■ 75, 55.430,
147.098

■ 76, 44.782,
148.282

■ 77, 33.685,
149.310

■ 79, 22.350,
150.200

■ 80, 10.955,
150.980

Harmonies

Complementary

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



72, 94.035, 139.157



46, 81.892, 340.092

Rectangle

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



72, 94.035, 139.157



72, 94.035, 189.157



72, 94.035, 319.157



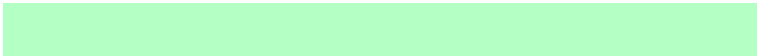
72, 94.035, 9.157

Sweetspot

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



72, 94.035, 139.158



94, 40.701, 149.243



77, 84.529, 115.669



49, 27.716, 148.818



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, 94.035, 139.158



88, 111.805, 138.883



73, 58.637, 163.110



42, 6.400, 151.002



59, 80.027, 139.387



12, 25.565, 147.086

Inverse Universe

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



46, 81.892, 340.092



57, 96.510, 340.326



43, 74.943, 22.871



40, 6.423, 332.161



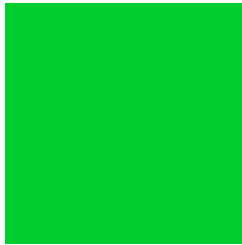
37, 70.229, 339.911



5, 24.059, 336.871

Previews

White Background



This preview shows how the CIELCh color 72, 94.035, 139.157 looks on a white background.

Color Contrast Check

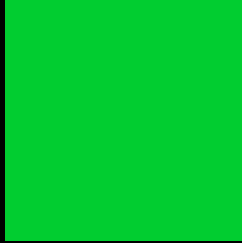
Large Text (above 18pt) WCAG AA × Fail

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, 94.035, 139.157 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, 94.035, 139.157

Background



This preview shows how black text looks on a background with the CIELCh color 72, 94.035, 139.157.



This preview shows how white text looks on a background with the CIELCh color 72, 94.035, 139.157.

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

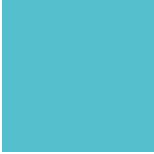
72, 94.087, 139.194

Protanopia

71, 66.360, 94.970

Deuteranopia

71, 58.650, 80.995



Tritanopia
72, 30.946, 212.733

Trichromacy



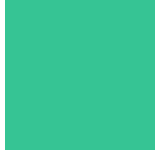
Original Color
72, 94.087, 139.194



Protanomaly
69, 73.543, 123.430



Deuteranomaly
68, 63.847, 119.987



Tritanomaly
71, 50.401, 164.448

Monochromacy



Original Color
72, 94.087, 139.194



Achromatopsia
53, 0.007, 296.813



Achromatomaly
58, 43.301, 147.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 94.035, 139.157 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(1, 205, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 205, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 94.035, 139.157 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, 48) }
```

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

```
.border{ border-color:rgb(1, 205, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 205, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 205, 48);  
box-shadow:4px 4px 4px 4px rgb(1, 205, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 94.035, 139.157 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, 48) }
```

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

```
.background{ background-color: rgb(1, 205,  
48) }
```

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