

Converting Colors

CIELCh(73, 96.782, 138.570)

Have a look what the booklet for
CIELCh(73, 96.782, 138.570)
contains.

CIELCh(73, 96.825, 138.471)	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, 96.825, 138.471)

Conversions

Conversions Part 1

Format	Color
Hex	00D02A
RGB	0, 208, 42
RGB Percent	0%, 82%, 16%
CMY	1.0000, 0.1851, 0.8363
CMYK	1.00, 0.00, 0.80, 0.19
HSL	132°, 100%, 41%
HSV	132°, 100%, 81%
XYZ	22.9022, 45.1644, 9.6771
YIQ	126.8840, -70.6820, -95.7220

Conversions

Conversions Part 2

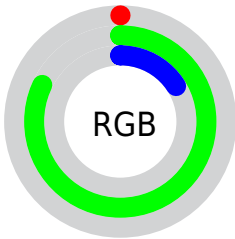
Format	Color
RYB	0, 173, 208
Decimal	53290
CIELab	73.00, -72.49, 64.19
CIELCh	73, 96.825, 138.471
Yxy	45.1644, 0.2946, 0.5809
Android (android.graphics.Color)	4278243370 (0xFF00D02A)
YUV	126.8840, -41.8478, -111.2773
Hunter-Lab	67.2044, -56.7778, 38.5057

Details

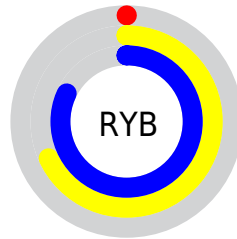
The CIELCh color **73, 96.825, 138.471** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **47, 84.647, 338.310**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 91.370, 138.673**, and **55, 81.411, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 96.796, 138.452**, and if you desaturate by 10%, it is **73, 91.806, 139.987**.

Distribution



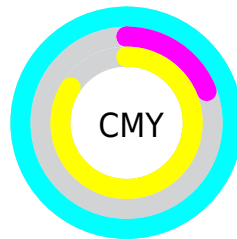
- Red (0%)
- Green (82%)
- Blue (16%)



- Red (0%)
- Yellow (68%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 96.825, 138.471 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, 96.825, 138.471 by changing the saturation by 10% instead.


 73, 96.825,
138.471


 73, 96.825,
138.471


 100, 96.825,
138.471


 63, 96.825,
138.471


 93, 96.825,
138.471

 53, 96.825,
138.471

 43, 96.825,
138.471

 33, 96.825,
138.471

 23, 96.825,
138.471

 13, 96.825,
138.471

 3, 96.825, 138.471

■ 0, 96.825, 138.471

■ 73, 96.825,
138.471

■ 73, 96.825,
138.471

■ 73, 96.796,
138.452

■ 73, 91.806,
139.987

■ 74, 85.254,
141.645

■ 74, 77.232,
143.257

■ 75, 67.961,
144.750

■ 76, 57.695,
146.088

■ 77, 46.698,
147.263

■ 78, 35.222,
148.283

■ 80, 23.493,
149.166

■ 81, 11.700,
149.935

Harmonies

Complementary

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



73, 96.825, 138.471



47, 84.647, 338.310

Rectangle

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



73, 96.825, 138.471



73, 96.825, 188.471



73, 96.825, 318.471



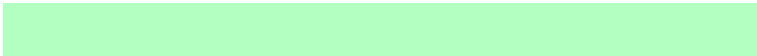
73, 96.825, 8.471

Sweetspot

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



73, 96.796, 138.452



94, 41.584, 148.250



78, 85.258, 114.792



49, 28.319, 147.830



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, 96.796, 138.452



88, 113.474, 138.259



74, 60.713, 161.669



43, 6.670, 149.978



60, 82.256, 138.701



13, 27.551, 145.575

Inverse Universe

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



47, 84.647, 338.310



58, 98.602, 338.457



44, 75.345, 21.608



41, 6.691, 331.116



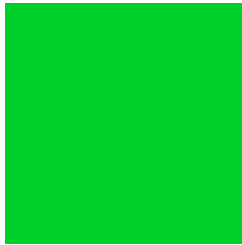
38, 72.519, 338.129



5, 26.638, 335.700

Previews

White Background



This preview shows how the CIELCh color 73, 96.825, 138.471 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, 96.825, 138.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

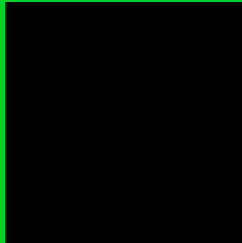
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 96.825, 138.471

Background



This preview shows how black text looks on a background with the CIELCh color 73, 96.825, 138.471.



This preview shows how white text looks on a background with the CIELCh color 73, 96.825, 138.471.

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, 96.825, 138.471

Protanopia

72, 69.103, 95.139

Deuteranopia

72, 61.539, 81.492



Tritanopia
73, 31.383, 212.459

Trichromacy



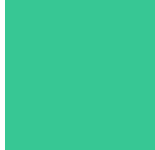
Original Color
73, 96.825, 138.471



Protanomaly
70, 76.452, 123.090



Deuteranomaly
69, 66.884, 119.415



Tritanomaly
72, 51.807, 163.352

Monochromacy



Original Color
73, 96.825, 138.471



Achromatopsia
53, 0.007, 296.813



Achromatomaly
58, 44.134, 146.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 96.825, 138.471 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, 208, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 42)  
}
```

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, 208, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 96.825, 138.471 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, 208, 42) }
```

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

```
.border{ border-color:rgb(0, 208, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 208, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 73, 96.825, 138.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 42) }
```

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

```
.background{ background-color: rgb(0, 208,  
42) }
```

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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