

Converting Colors

CIELCh(73, 97.379, 138.012)

Have a look what the booklet for
CIELCh(73, 97.379, 138.012)
contains.

CIELCh(73, 97.568, 137.981)	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, 97.568, 137.981)

Conversions

Conversions Part 1

Format	Color
Hex	05D026
RGB	5, 208, 38
RGB Percent	2%, 82%, 15%
CMY	0.9815, 0.1852, 0.8521
CMYK	0.98, 0.00, 0.82, 0.19
HSL	130°, 96%, 42%
HSV	130°, 98%, 81%
XYZ	22.9021, 45.1644, 9.3190
YIQ	127.9230, -66.4180, -95.9060

Conversions

Conversions Part 2

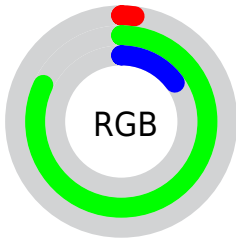
Format	Color
RYB	5, 180, 208
Decimal	380966
CIELab	73.00, -72.49, 65.31
CIELCh	73, 97.568, 137.981
Yxy	45.1644, 0.2959, 0.5836
Android (android.graphics.Color)	4278571046 (0xFF05D026)
YUV	127.9230, -44.3320, -107.8035
Hunter-Lab	67.2044, -56.7780, 38.8216

Details

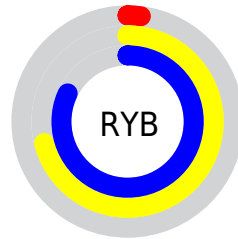
The CIELCh color **73, 97.568, 137.981** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **48, 86.958, 335.837**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 92.128, 138.006**, and **55, 81.411, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 98.495, 137.719**, and if you desaturate by 10%, it is **73, 92.518, 139.403**.

Distribution



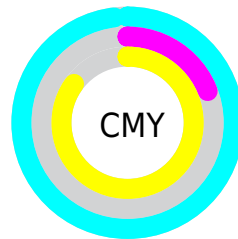
- Red (2%)
- Green (82%)
- Blue (15%)



- Red (2%)
- Yellow (71%)
- Blue (82%)



- Cyan (98%)
- Magenta (0%)
- Yellow (82%)
- Black (19%)





- Cyan (98%)
- Magenta (19%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 97.568, 137.981 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, 97.568, 137.981 by changing the saturation by 10% instead.


 73, 97.568,
137.981


 73, 97.568,
137.981


 100, 97.568,
137.981


 63, 97.568,
137.981


 93, 97.568,
137.981

 53, 97.568,
137.981

 43, 97.568,
137.981

 33, 97.568,
137.981

 23, 97.568,
137.981

 13, 97.568,
137.981

 3, 97.568, 137.981

■ 0, 97.568, 137.981

■ 73, 97.568,
137.981

■ 73, 97.568,
137.981

■ 73, 98.495,
137.719

■ 73, 92.518,
139.403

■ 74, 85.682,
140.940

■ 74, 77.263,
142.454

■ 75, 67.543,
143.868

■ 76, 56.817,
145.141

■ 77, 45.378,
146.259

■ 78, 33.494,
147.229

■ 80, 21.397,
148.067

■ 82, 9.277, 148.801

Harmonies

Complementary

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



73, 97.568, 137.981



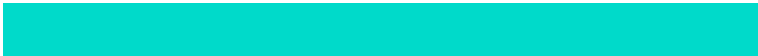
48, 86.958, 335.837

Rectangle

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



73, 97.568, 137.981



73, 97.568, 187.981



73, 97.568, 317.981



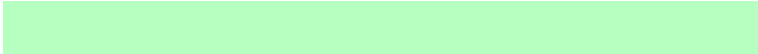
73, 97.568, 7.981

Sweetspot

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



73, 97.568, 137.982



94, 41.357, 147.082



79, 83.841, 111.843



49, 28.334, 146.670



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, 97.568, 137.982



88, 115.405, 137.553



74, 63.854, 158.408



43, 6.858, 148.682



60, 83.767, 137.937



13, 28.115, 144.848

Inverse Universe

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



48, 86.958, 335.837



58, 101.554, 336.137



44, 73.020, 15.781



41, 6.876, 329.790



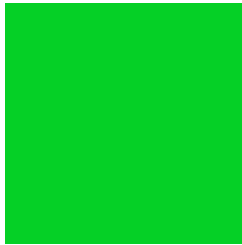
38, 74.641, 335.892



5, 27.449, 333.930

Previews

White Background



This preview shows how the CIELCh color 73, 97.568, 137.981 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, 97.568, 137.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

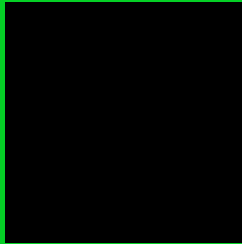
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 97.568, 137.981

Background



This preview shows how black text looks on a background with the CIELCh color 73, 97.568, 137.981.



This preview shows how white text looks on a background with the CIELCh color 73, 97.568, 137.981.

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, 97.593, 137.999

Protanopia

72, 70.100, 95.154

Deuteranopia

72, 62.300, 81.680



Tritanopia
73, 31.208, 213.632

Trichromacy



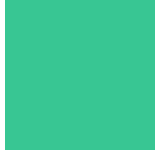
Original Color
73, 97.593, 137.999



Protanomaly
70, 77.147, 122.248



Deuteranomaly
69, 67.334, 118.546



Tritanomaly
72, 51.532, 163.139

Monochromacy



Original Color
73, 97.593, 137.999



Achromatopsia
54, 0.007, 296.813



Achromatomaly
59, 44.764, 145.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 97.568, 137.981 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(5, 208, 38)` looks like.

```
.text, #text, p{  
    color:rgb(5, 208, 38)  
}
```

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(5, 208, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 208, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 97.568, 137.981 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(5, 208, 38) }
```

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

```
.border{ border-color:rgb(5, 208, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 208, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 208, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 208, 38);  
box-shadow:4px 4px 4px 4px rgb(5, 208, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 73, 97.568, 137.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 208, 38) }
```

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

```
.background{ background-color: rgb(5, 208,  
38) }
```

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