

Converting Colors

CIELCh(74, 100.416, 137.493)

Have a look what the booklet for
CIELCh(74, 100.416, 137.493)
contains.

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Color

CIELCh(74, 100.287, 137.451)

Conversions

Conversions Part 1

Format	Color
Hex	00D31F
RGB	0, 211, 31
RGB Percent	0%, 83%, 12%
CMY	0.9994, 0.1724, 0.8782
CMYK	1.00, 0.00, 0.85, 0.17
HSL	129°, 100%, 41%
HSV	129°, 100%, 83%
XYZ	23.5518, 46.7039, 9.0730
YIQ	127.3910, -67.9760, -100.7120

Conversions

Conversions Part 2

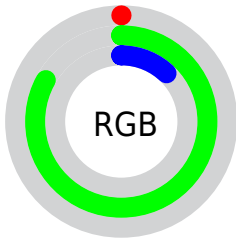
Format	Color
RYB	0, 184, 211
Decimal	54047
CIELab	74.00, -73.88, 67.82
CIELCh	74, 100.287, 137.451
Yxy	46.7039, 0.2969, 0.5887
Android (android.graphics.Color)	4278244127 (0xFF00D31F)
YUV	127.3910, -47.5208, -111.7219
Hunter-Lab	68.3403, -58.0800, 39.9667

Details

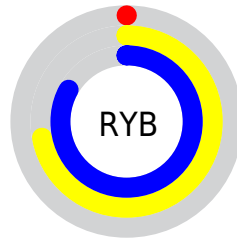
The CIELCh color **74, 100.287, 137.451** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **48, 89.248, 335.140**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 93.156, 137.578**, and **56, 82.586, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **74, 100.314, 137.444**, and if you desaturate by 10%, it is **74, 95.732, 138.712**.

Distribution



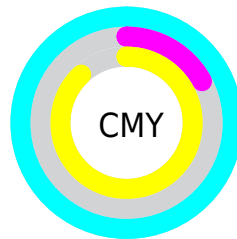
- Red (0%)
- Green (83%)
- Blue (12%)



- Red (0%)
- Yellow (72%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 100.287, 137.451 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 74, 100.287, 137.451 by changing the saturation by 10% instead.


 74, 100.287,
137.451


 74, 100.287,
137.451


 100, 100.287,
137.451


 64, 100.287,
137.451


 94, 100.287,
137.451

 54, 100.287,
137.451

 44, 100.287,
137.451

 34, 100.287,
137.451

 24, 100.287,
137.451

 14, 100.287,
137.451

 4, 100.287,

137.451

■ 0, 100.287,
137.451

■ 74, 100.287,
137.451

■ 74, 100.287,
137.451

■ 74, 100.314,
137.444

■ 74, 95.732,
138.712

■ 75, 89.280,
140.178

■ 75, 81.086,
141.668

■ 76, 71.449,
143.088

■ 77, 60.687,
144.381

■ 78, 49.114,
145.526

■ 79, 37.020,
146.523

■ 81, 24.656,
147.383

■ 83, 12.230,
148.130

Harmonies

Complementary

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



74, 100.287, 137.451



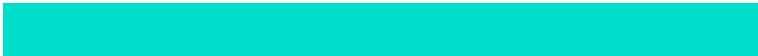
48, 89.248, 335.140

Rectangle

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



74, 100.287, 137.451



74, 100.287, 187.451



74, 100.287, 317.451



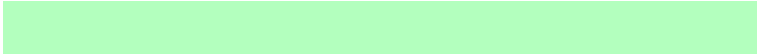
74, 100.287, 7.451

Sweetspot

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



74, 100.287, 137.452



94, 43.265, 146.485



80, 85.052, 110.993



49, 29.465, 146.076



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 100.287, 137.452



88, 116.100, 137.303



75, 66.720, 156.751



43, 6.936, 148.167



60, 84.323, 137.661



13, 28.349, 144.556

Inverse Universe

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



48, 89.248, 335.140



58, 102.823, 335.233



45, 74.194, 15.385



41, 6.954, 329.263



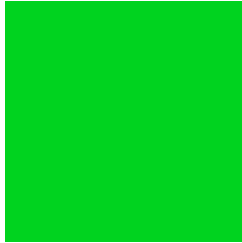
38, 75.551, 335.020



5, 27.792, 333.239

Previews

White Background



This preview shows how the CIELCh color 74, 100.287, 137.451 looks on a white background.

Color Contrast Check

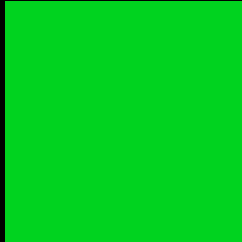
Large Text (above 18pt) WCAG AA × Fail

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 74, 100.287, 137.451 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

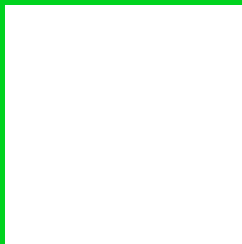
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 100.287, 137.451

Background



This preview shows how black text looks on a background with the CIELCh color 74, 100.287, 137.451.



This preview shows how white text looks on a background with the CIELCh color 74, 100.287, 137.451.

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

74, 100.287, 137.451

Protanopia

73, 72.774, 95.295

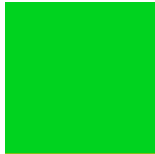
Deuteranopia

73, 64.879, 81.578



Tritanopia
74, 31.462, 213.451

Trichromacy



Original Color

74, 100.287, 137.451



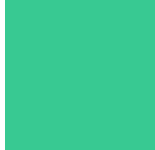
Protanomaly

71, 80.174, 122.209



Deuteranomaly

70, 70.263, 118.428



Tritanomaly

73, 53.439, 161.739

Monochromacy



Original Color

74, 100.287, 137.451



Achromatopsia

53, 0.007, 296.813



Achromatomaly

59, 47.073, 144.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 100.287, 137.451 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, 211, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 31)  
}
```

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, 211, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 100.287, 137.451 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, 211, 31) }
```

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

```
.border{ border-color:rgb(0, 211, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 211, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 211, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 74, 100.287, 137.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 31) }
```

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

```
.background{ background-color: rgb(0, 211,  
31) }
```

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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