

Converting Colors

CIELCh(75, 102.980, 137.538)

Have a look what the booklet for
CIELCh(75, 102.980, 137.538)
contains.

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Color

CIELCh(75, 102.515, 137.123)

Conversions

Conversions Part 1

Format	Color
Hex	00D61A
RGB	0, 214, 26
RGB Percent	0%, 84%, 10%
CMY	1.0000, 0.1597, 0.8987
CMYK	1.00, 0.00, 0.88, 0.16
HSL	127°, 100%, 42%
HSV	127°, 100%, 84%
XYZ	24.2486, 48.2781, 9.0066
YIQ	128.5820, -67.1960, -103.8360

Conversions

Conversions Part 2

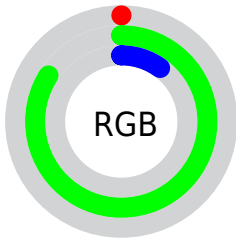
Format	Color
RYB	0, 191, 214
Decimal	54810
CIELab	75.00, -75.12, 69.75
CIELCh	75, 102.515, 137.123
Yxy	48.2781, 0.2974, 0.5921
Android (android.graphics.Color)	4278244890 (0xFF00D61A)
YUV	128.5820, -50.5729, -112.7664
Hunter-Lab	69.4824, -59.2999, 40.9523

Details

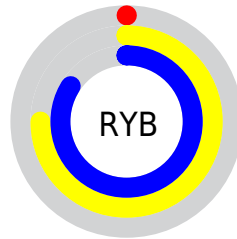
The CIELCh color **75, 102.515, 137.123** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **49, 92.128, 333.755**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.026, 137.050**, and **56, 83.367, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 102.418, 137.058**, and if you desaturate by 10%, it is **75, 98.153, 138.162**.

Distribution



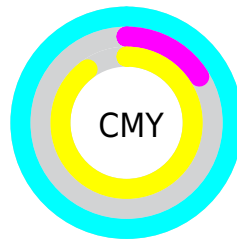
- Red (0%)
- Green (84%)
- Blue (10%)



- Red (0%)
- Yellow (75%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 102.515, 137.123 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 75, 102.515, 137.123 by changing the saturation by 10% instead.


 75, 102.515,
137.123


 75, 102.515,
137.123


 100, 102.515,
137.123


 65, 102.515,
137.123


 95, 102.515,
137.123

 55, 102.515,
137.123

 45, 102.515,
137.123

 35, 102.515,
137.123

 25, 102.515,
137.123

 15, 102.515,
137.123

 5, 102.515,

137.123

■ 0, 102.515,
137.123

■ 75, 102.515,
137.123

■ 75, 102.515,
137.123

■ 75, 102.418,
137.058

■ 75, 98.153,
138.162

■ 76, 91.802,
139.518

■ 76, 83.539,
140.941

■ 77, 73.705,
142.321

■ 78, 62.659,
143.593

■ 79, 50.746,
144.725

■ 80, 38.279,
145.713

■ 82, 25.527,
146.566

■ 84, 12.709,
147.305

Harmonies

Complementary

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



75, 102.515, 137.123



49, 92.128, 333.755

Rectangle

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



75, 102.515, 137.123



75, 102.515, 187.123



75, 102.515, 317.123



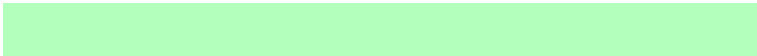
75, 102.515, 7.123

Sweetspot

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



75, 102.418, 137.058



94, 44.079, 145.686



81, 85.812, 110.018



49, 30.019, 145.281



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

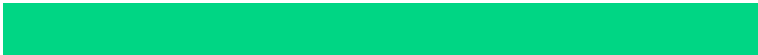
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 102.418, 137.058



88, 117.104, 136.946



76, 68.907, 155.600



44, 7.208, 147.345



61, 86.123, 137.244



14, 30.241, 143.120

Inverse Universe

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



49, 92.128, 333.755



59, 104.957, 333.818



46, 74.734, 13.866



42, 7.224, 328.428



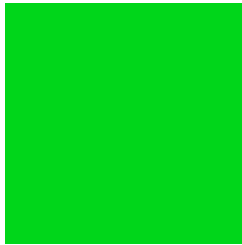
39, 77.933, 333.659



6, 30.170, 332.388

Previews

White Background



This preview shows how the CIELCh color 75, 102.515, 137.123 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 75, 102.515, 137.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

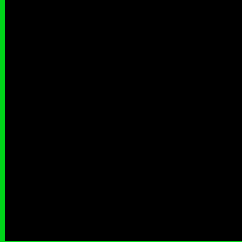
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

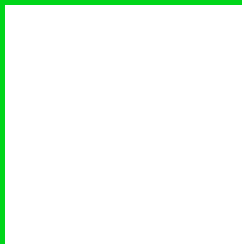
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 102.515, 137.123

Background



This preview shows how black text looks on a background with the CIELCh color 75, 102.515, 137.123.

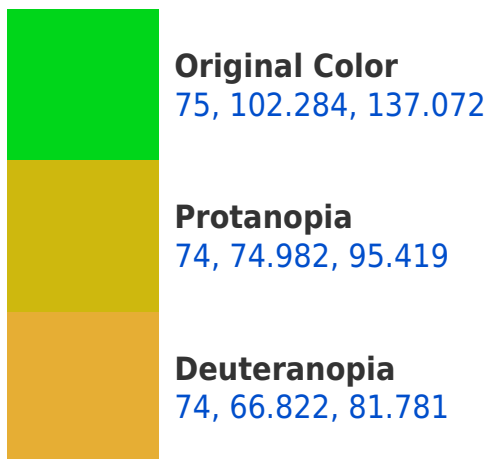


This preview shows how white text looks on a background with the CIELCh color 75, 102.515, 137.123.

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](#).

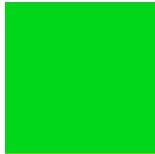
Dichromacy





Tritanopia
75, 31.715, 213.274

Trichromacy



Original Color

75, 102.284, 137.072



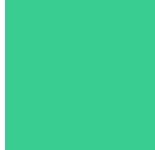
Protanomaly

72, 82.352, 121.851



Deuteranomaly

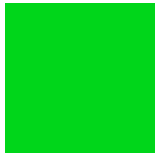
71, 72.610, 118.131



Tritanomaly

74, 55.372, 160.499

Monochromacy



Original Color

75, 102.284, 137.072



Achromatopsia

54, 0.007, 296.813



Achromatomaly

60, 48.499, 143.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 102.515, 137.123 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, 214, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 26)  
}
```

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, 214, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 102.515, 137.123 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, 214, 26) }
```

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

```
.border{ border-color:rgb(0, 214, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 75, 102.515, 137.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 26) }
```

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

```
.background{ background-color: rgb(0, 214,  
26) }
```

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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