

Converting Colors

CIELCh(75, 103.469, 136.580)

Have a look what the booklet for
CIELCh(75, 103.469, 136.580)
contains.

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Color

CIELCh(75, 103.424, 136.562)

Conversions

Conversions Part 1

Format	Color
Hex	03D612
RGB	3, 214, 18
RGB Percent	1%, 84%, 7%
CMY	0.9868, 0.1598, 0.9312
CMYK	0.98, 0.00, 0.92, 0.16
HSL	124°, 97%, 43%
HSV	124°, 98%, 84%
XYZ	24.2546, 48.2781, 8.5923
YIQ	128.5670, -62.8400, -105.6880

Conversions

Conversions Part 2

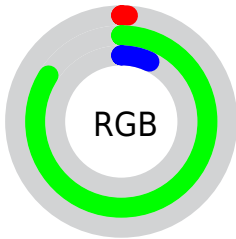
Format	Color
RYB	3, 200, 214
Decimal	251410
CIELab	75.00, -75.10, 71.11
CIELCh	75, 103.424, 136.562
Yxy	48.2781, 0.2990, 0.5951
Android (android.graphics.Color)	4278441490 (0xFF03D612)
YUV	128.5670, -54.5095, -110.1223
Hunter-Lab	69.4824, -59.2842, 41.3058

Details

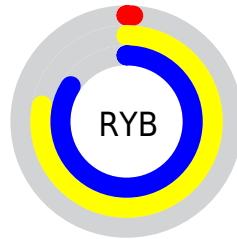
The CIELCh color **75, 103.424, 136.562** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **50, 95.870, 331.079**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.879, 136.536**, and **56, 83.367, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 103.836, 136.485**, and if you desaturate by 10%, it is **75, 99.570, 137.401**.

Distribution



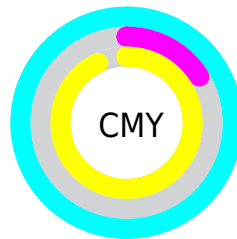
- Red (1%)
- Green (84%)
- Blue (7%)



- Red (1%)
- Yellow (78%)
- Blue (84%)



- Cyan (98%)
- Magenta (0%)
- Yellow (92%)
- Black (16%)





- Cyan (99%)
- Magenta (16%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 103.424, 136.562 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, 103.424, 136.562 by changing the saturation by 10% instead.


 75, 103.424,
136.562


 75, 103.424,
136.562


 100, 103.424,
136.562


 65, 103.424,
136.562


 95, 103.424,
136.562

 55, 103.424,
136.562

 45, 103.424,
136.562

 35, 103.424,
136.562

 25, 103.424,
136.562

 15, 103.424,
136.562

 5, 103.424,

136.562

■ 0, 103.424,
136.562

■ 75, 103.424,
136.562

■ 75, 103.424,
136.562

■ 75, 103.836,
136.485

■ 75, 99.570,
137.401

■ 76, 93.287,
138.533

■ 76, 84.825,
139.799

■ 77, 74.613,
141.075

■ 78, 63.088,
142.274

■ 79, 50.656,
143.353

■ 80, 37.665,
144.298

■ 82, 24.404,
145.115

■ 84, 11.102,
145.822

Harmonies

Complementary

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



75, 103.424, 136.562



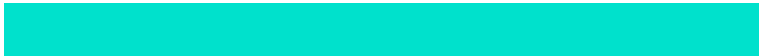
50, 95.870, 331.079

Rectangle

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



75, 103.424, 136.562



75, 103.424, 186.562



75, 103.424, 316.562



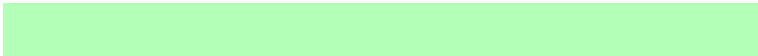
75, 103.424, 6.562

Sweetspot

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



75, 103.423, 136.563



94, 45.760, 144.131



82, 84.956, 106.966



49, 31.161, 143.735



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, 103.423, 136.563



88, 118.633, 136.411



76, 72.362, 152.856



44, 7.482, 145.756



61, 87.445, 136.614



14, 31.085, 142.199

Inverse Universe

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



50, 95.870, 331.079



59, 109.519, 331.161



46, 73.787, 8.232



42, 7.496, 326.810



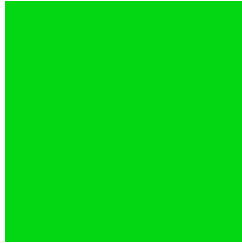
40, 81.235, 331.082



6, 31.381, 330.338

Previews

White Background



This preview shows how the CIELCh color 75, 103.424, 136.562 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 CIE LCh color 75, 103.424, 136.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

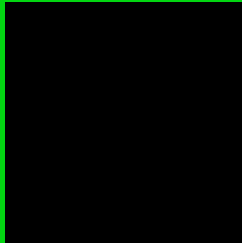
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 103.424, 136.562

Background



This preview shows how black text looks on a background with the CIELCh color 75, 103.424, 136.562.

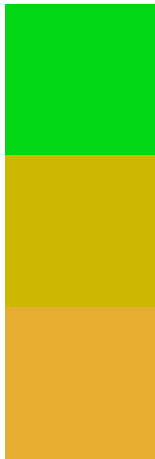


This preview shows how white text looks on a background with the CIELCh color 75, 103.424, 136.562.

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

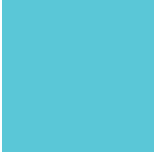
75, 103.288, 136.591

Protanopia

74, 76.295, 95.048

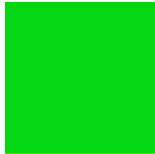
Deuteranopia

74, 67.829, 81.996



Tritanopia
75, 31.715, 213.274

Trichromacy



Original Color

75, 103.288, 136.591



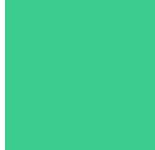
Protanomaly

72, 83.139, 121.038



Deuteranomaly

71, 73.488, 117.219



Tritanomaly

74, 56.372, 159.195

Monochromacy



Original Color

75, 103.288, 136.591



Achromatopsia

54, 0.007, 296.813



Achromatomaly

60, 49.605, 142.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 103.424, 136.562 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(3, 214, 18)` looks like.

```
.text, #text, p{  
    color:rgb(3, 214, 18)  
}
```

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(3, 214, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 214, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 103.424, 136.562 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(3, 214, 18) }
```

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

```
.border{ border-color:rgb(3, 214, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 214, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 214, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 214, 18);  
box-shadow:4px 4px 4px 4px rgb(3, 214, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 75, 103.424, 136.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 214, 18) }
```

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

```
.background{ background-color: rgb(3, 214,  
18) }
```

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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