

Converting Colors

CIELCh(73, 102.148, 135.990)

Have a look what the booklet for
CIELCh(73, 102.148, 135.990)
contains.

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Color

CIELCh(73, 102.166, 135.996)

Conversions

Conversions Part 1

Format	Color
Hex	09D004
RGB	9, 208, 4
RGB Percent	4%, 82%, 2%
CMY	0.9653, 0.1844, 0.9845
CMYK	0.96, 0.00, 0.98, 0.18
HSL	119°, 96%, 42%
HSV	119°, 98%, 82%
XYZ	22.6817, 45.1644, 7.6348
YIQ	125.2430, -53.1200, -105.6320

Conversions

Conversions Part 2

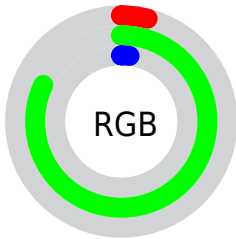
Format	Color
RYB	4, 208, 203
Decimal	643076
CIELab	73.00, -73.49, 70.98
CIELCh	73, 102.166, 135.996
Yxy	45.1644, 0.3005, 0.5984
Android (android.graphics.Color)	4278833156 (0xFF09D004)
YUV	125.2430, -59.7728, -101.9451
Hunter-Lab	67.2044, -57.3636, 40.3074

Details

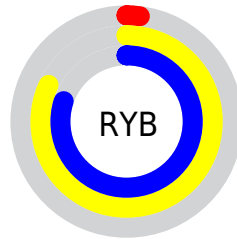
The CIELCh color **73, 102.166, 135.996** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **49, 98.849, 327.280**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.952, 135.892**, and **55, 81.411, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 102.592, 135.930**, and if you desaturate by 10%, it is **73, 99.157, 136.351**.

Distribution



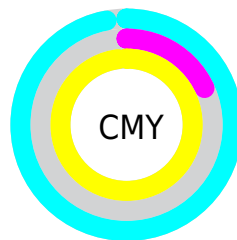
- Red (4%)
- Green (82%)
- Blue (2%)



- Red (2%)
- Yellow (82%)
- Blue (80%)



- Cyan (96%)
- Magenta (0%)
- Yellow (98%)
- Black (18%)





- Cyan (97%)
- Magenta (18%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 102.166, 135.996 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, 102.166, 135.996 by changing the saturation by 10% instead.


 73, 102.166,
135.996


 73, 102.166,
135.996


 100, 102.166,
135.996


 63, 102.166,
135.996


 93, 102.166,
135.996

 53, 102.166,
135.996

 43, 102.166,
135.996

 33, 102.166,
135.996

 23, 102.166,
135.996

 13, 102.166,
135.996

 3, 102.166,

135.996

■ 0, 102.166,
135.996

■ 73, 102.166,
135.996

■ 73, 102.166,
135.996

■ 73, 102.592,
135.930

■ 73, 99.157,
136.351

■ 74, 93.497,
137.032

■ 74, 85.327,
137.972

■ 75, 75.158,
139.028

■ 76, 63.537,
140.082

■ 77, 50.941,
141.064

■ 78, 37.762,
141.941

■ 80, 24.311,
142.705

■ 82, 10.824,
143.370

Harmonies

Complementary

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



73, 102.166, 135.996



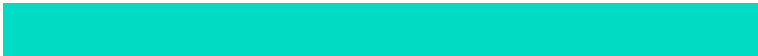
49, 98.849, 327.280

Rectangle

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



73, 102.166, 135.996



73, 102.166, 185.996



73, 102.166, 315.996



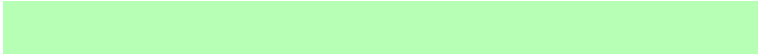
73, 102.166, 5.996

Sweetspot

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



73, 102.165, 135.997



94, 45.966, 141.838



79, 80.727, 100.758



49, 31.486, 141.467



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, 102.165, 135.997



88, 119.669, 135.950



74, 78.398, 147.742



43, 7.621, 143.287



60, 87.610, 135.904



13, 30.311, 141.601

Inverse Universe

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



49, 98.849, 327.280



59, 115.695, 327.266



45, 72.937, 358.516



41, 7.636, 324.280



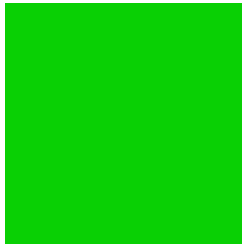
39, 84.750, 327.291



5, 30.920, 326.953

Previews

White Background



This preview shows how the CIELCh color 73, 102.166, 135.996 looks on a white background.

Color Contrast Check

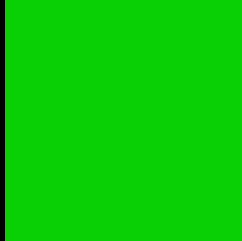
Large Text (above 18pt) WCAG AA × Fail

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, 102.166, 135.996 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, 102.166, 135.996

Background



This preview shows how black text looks on a background with the CIELCh color 73, 102.166, 135.996.

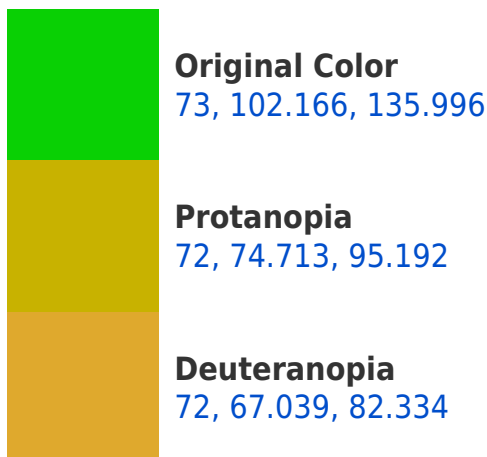


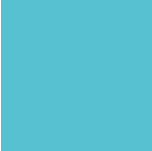
This preview shows how white text looks on a background with the CIELCh color 73, 102.166, 135.996.

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](#).

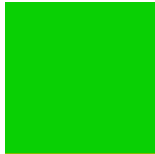
Dichromacy





Tritanopia
73, 30.844, 213.853

Trichromacy



Original Color

73, 102.166, 135.996



Protanomaly

70, 81.817, 120.516



Deuteranomaly

69, 73.162, 116.231



Tritanomaly

72, 56.026, 157.297

Monochromacy



Original Color

73, 102.166, 135.996



Achromatopsia

52, 0.007, 296.813



Achromatomaly

58, 49.696, 140.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 102.166, 135.996 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(9, 208, 4)` looks like.

```
.text, #text, p{  
    color:rgb(9, 208, 4)  
}
```

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(9, 208, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 208, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 102.166, 135.996 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(9, 208, 4) }
```

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

```
.border{ border-color:rgb(9, 208, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 208, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 208, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 208, 4); box-shadow:4px  
4px 4px 4px rgb(9, 208, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 102.166, 135.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 208, 4) }
```

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

```
.background{ background-color: rgb(9, 208,  
4) }
```

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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