

Converting Colors

CIELCh(73, 102.457, 135.539)

Have a look what the booklet for
CIELCh(73, 102.457, 135.539)
contains.

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Color

CIELCh(73, 102.203, 135.647)

Conversions

Conversions Part 1

Format	Color
Hex	12D000
RGB	18, 208, 0
RGB Percent	7%, 82%, 0%
CMY	0.9278, 0.1849, 1.0000
CMYK	0.91, 0.00, 1.00, 0.18
HSL	115°, 100%, 41%
HSV	115°, 100%, 82%
XYZ	22.7711, 45.1644, 7.5045
YIQ	127.4780, -46.4720, -104.9680

Conversions

Conversions Part 2

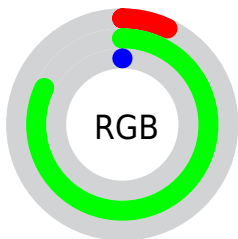
Format	Color
RYB	0, 208, 190
Decimal	1232896
CIELab	73.00, -73.08, 71.45
CIELCh	73, 102.203, 135.647
Yxy	45.1644, 0.3018, 0.5987
Android (android.graphics.Color)	4279422976 (0xFF12D000)
YUV	127.4780, -62.8467, -96.0122
Hunter-Lab	67.2044, -57.1260, 40.4224

Details

The CIELCh color **73, 102.203, 135.647** 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 **46, 99.622, 324.762**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.986, 135.544**, and **55, 81.411, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 102.166, 135.662**, and if you desaturate by 10%, it is **73, 99.177, 135.752**.

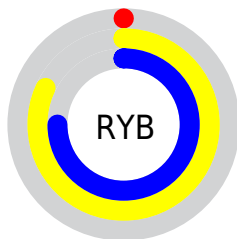
Distribution



Red (7%)

Green (82%)

Blue (0%)



Red (0%)

Yellow (82%)

Blue (75%)

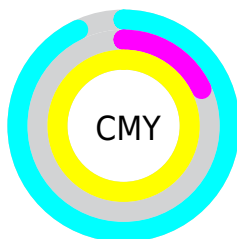


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (93%)


Magenta (18%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 102.203, 135.647 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, 102.203, 135.647 by changing the saturation by 10% instead.


 73, 102.203,
135.647


 73, 102.203,
135.647


 100, 102.203,
135.647


 63, 102.203,
135.647


 93, 102.203,
135.647

 53, 102.203,
135.647

 43, 102.203,
135.647

 33, 102.203,
135.647

 23, 102.203,
135.647

 13, 102.203,
135.647

 3, 102.203,

135.647

■ 0, 102.203,
135.647

■ 73, 102.203,
135.647

■ 73, 102.203,
135.647

■ 73, 102.166,
135.662

■ 73, 99.177,
135.752

■ 74, 93.751,
136.118

■ 74, 85.837,
136.790

■ 75, 75.938,
137.635

■ 76, 64.605,
138.534

■ 77, 52.316,
139.403

■ 78, 39.450,
140.199

■ 80, 26.303,
140.907

■ 82, 13.095,
141.528

Harmonies

Complementary

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



73, 102.203, 135.647



46, 99.622, 324.762

Rectangle

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



73, 102.203, 135.647



73, 102.203, 185.647



73, 102.203, 315.647



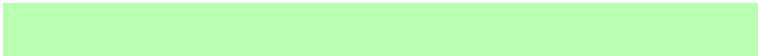
73, 102.203, 5.647

Sweetspot

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



73, 102.166, 135.662



94, 46.566, 140.172



75, 77.377, 95.935



49, 31.717, 139.842



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, 102.166, 135.662



88, 119.288, 135.718



73, 84.329, 144.467



43, 7.464, 141.562



60, 87.228, 135.585



13, 29.710, 140.283

Inverse Universe

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



46, 99.622, 324.762



57, 116.240, 324.722



45, 74.801, 353.169



41, 7.487, 322.476



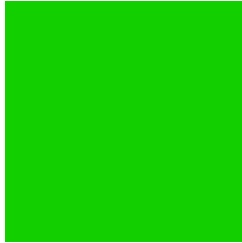
37, 85.135, 324.812



5, 30.366, 324.549

Previews

White Background



This preview shows how the CIELCh color 73, 102.203, 135.647 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, 102.203, 135.647 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, 102.203, 135.647

Background



This preview shows how black text looks on a background with the CIELCh color 73, 102.203, 135.647.



This preview shows how white text looks on a background with the CIELCh color 73, 102.203, 135.647.

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

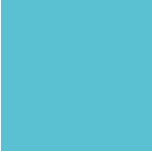
73, 102.240, 135.674

Protanopia

72, 74.713, 95.192

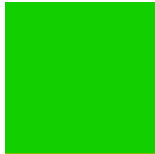
Deuteranopia

72, 67.039, 82.334



Tritanopia
73, 30.660, 213.968

Trichromacy



Original Color

73, 102.240, 135.674



Protanomaly

70, 81.394, 119.463



Deuteranomaly

70, 72.983, 114.910



Tritanomaly

72, 55.872, 156.521

Monochromacy



Original Color

73, 102.240, 135.674



Achromatopsia

54, 0.007, 296.813



Achromatomaly

59, 49.912, 138.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 102.203, 135.647 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(18, 208, 0)` looks like.

```
.text, #text, p{  
    color:rgb(18, 208, 0)  
}
```

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(18, 208, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 208, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 102.203, 135.647 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(18, 208, 0) }
```

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

```
.border{ border-color:rgb(18, 208, 0) }
```

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

Here you see how a box with a 4 pixel rgb(18, 208, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 208, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 208, 0);  
box-shadow:4px 4px 4px 4px rgb(18, 208, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 73, 102.203, 135.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 208, 0) }
```

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

```
.background{ background-color: rgb(18, 208,  
0) }
```

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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