

Converting Colors

CIELCh(73, 93.942, 129.876)

Have a look what the booklet for
CIELCh(73, 93.942, 129.876)
contains.

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Color

CIELCh(73, 94.028, 129.962)

Conversions

Conversions Part 1

Format	Color
Hex	5ACC00
RGB	90, 204, 0
RGB Percent	35%, 80%, 0%
CMY	0.6487, 0.2014, 1.0000
CMYK	0.56, 0.00, 1.00, 0.20
HSL	94°, 100%, 40%
HSV	94°, 100%, 80%
XYZ	25.6778, 45.1644, 7.3350
YIQ	146.6580, -2.4600, -87.6120

Conversions

Conversions Part 2

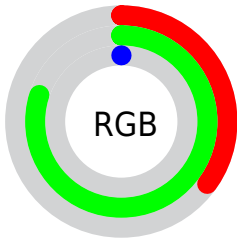
Format	Color
RYB	0, 204, 114
Decimal	5950464
CIELab	73.00, -60.39, 72.07
CIELCh	73, 94.028, 129.962
Yxy	45.1644, 0.3285, 0.5777
Android (android.graphics.Color)	4284140544 (0xFF5ACC00)
YUV	146.6580, -72.3024, -49.6891
Hunter-Lab	67.2044, -49.4058, 40.5719

Details

The CIELCh color **73, 94.028, 129.962** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **34, 104.044, 313.276**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 90.657, 129.434**, and **53, 80.232, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 93.938, 129.996**, and if you desaturate by 10%, it is **73, 90.212, 129.029**.

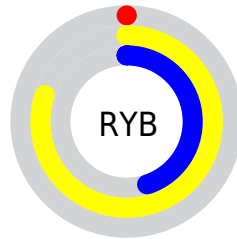
Distribution



Red (35%)

Green (80%)

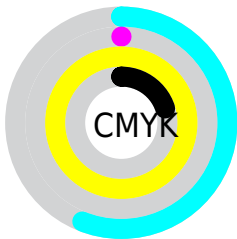
Blue (0%)



Red (0%)

Yellow (80%)

Blue (45%)

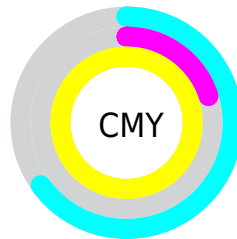


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (65%)


Magenta (20%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 94.028, 129.962 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, 94.028, 129.962 by changing the saturation by 10% instead.


 73, 94.028,
129.962


 73, 94.028,
129.962


 100, 94.028,
129.962


 63, 94.028,
129.962


 93, 94.028,
129.962

 53, 94.028,
129.962

 43, 94.028,
129.962

 33, 94.028,
129.962

 23, 94.028,
129.962

 13, 94.028,
129.962

 3, 94.028, 129.962

■ 0, 94.028, 129.962

■ 73, 94.028,
129.962

■ 73, 94.028,
129.962

■ 73, 93.938,
129.996

■ 73, 90.212,
129.029

■ 74, 84.531,
128.458

■ 75, 76.832,
128.319

■ 75, 67.585,
128.487

■ 76, 57.274,
128.841

■ 77, 46.284,
129.291

■ 78, 34.893,
129.776

■ 79, 23.297,
130.260

■ 81, 11.630,
130.725

Harmonies

Complementary

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



73, 94.028, 129.962



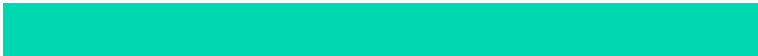
34, 104.044, 313.276

Rectangle

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



73, 94.028, 129.962



73, 94.028, 179.962



73, 94.028, 309.962



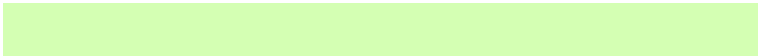
73, 94.028, 359.962

Sweetspot

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



73, 93.938, 129.996



95, 41.875, 129.756



56, 70.752, 64.604



50, 28.519, 129.548



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, 93.938, 129.996



89, 111.533, 130.203



72, 100.228, 136.374



42, 6.605, 130.752



60, 80.411, 129.763



13, 25.053, 132.541

Inverse Universe

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



34, 104.044, 313.276



43, 123.413, 313.129



48, 93.777, 330.340



40, 6.684, 311.526



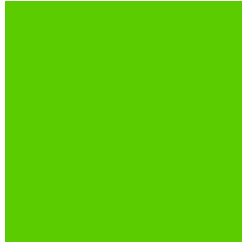
27, 89.160, 313.441



3, 24.864, 308.964

Previews

White Background



This preview shows how the CIELCh color 73, 94.028, 129.962 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, 94.028, 129.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

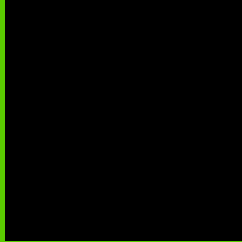
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 94.028, 129.962

Background



This preview shows how black text looks on a background with the CIELCh color 73, 94.028, 129.962.



This preview shows how white text looks on a background with the CIELCh color 73, 94.028, 129.962.

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, 94.028, 129.962

Protanopia

72, 74.782, 94.847

Deuteranopia

72, 68.166, 82.177



Tritanopia
73, 23.072, 220.229

Trichromacy



Original Color
73, 94.028, 129.962



Protanomaly
72, 77.857, 111.577



Deuteranomaly
71, 71.428, 105.704



Tritanomaly
72, 46.567, 148.430

Monochromacy



Original Color
73, 94.028, 129.962



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 43.584, 129.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 94.028, 129.962 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(90, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 204, 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(90, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 204, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 94.028, 129.962 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(90, 204, 0) }
```

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

```
.border{ border-color:rgb(90, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 204, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 73, 94.028, 129.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 204, 0) }
```

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

```
.background{ background-color: rgb(90, 204,  
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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