

Converting Colors

CIELCh(73, 96.868, 132.594)

Have a look what the booklet for
CIELCh(73, 96.868, 132.594)
contains.

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Color

CIELCh(73, 96.681, 132.563)

Conversions

Conversions Part 1

Format	Color
Hex	46CD05
RGB	70, 205, 5
RGB Percent	27%, 80%, 2%
CMY	0.7237, 0.1947, 0.9802
CMYK	0.66, 0.00, 0.98, 0.19
HSL	100°, 95%, 41%
HSV	100°, 98%, 81%
XYZ	24.5038, 45.1644, 7.5703
YIQ	141.8350, -16.2600, -90.8200

Conversions

Conversions Part 2

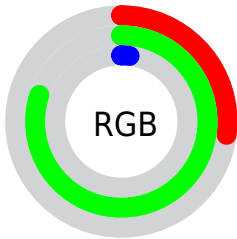
Format	Color
RYB	5, 205, 140
Decimal	4640005
CIELab	73.00, -65.40, 71.21
CIELCh	73, 96.681, 132.563
Yxy	45.1644, 0.3172, 0.5847
Android (android.graphics.Color)	4282830085 (0xFF46CD05)
YUV	141.8350, -67.4597, -62.9993
Hunter-Lab	67.2044, -52.5238, 40.3644

Details

The CIELCh color **73, 96.681, 132.563** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **38, 101.470, 316.619**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.803, 132.184**, and **53, 80.232, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 97.517, 132.735**, and if you desaturate by 10%, it is **73, 92.541, 131.870**.

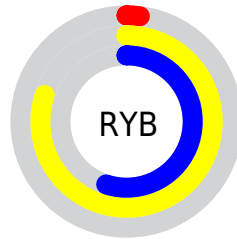
Distribution



Red (27%)

Green (80%)

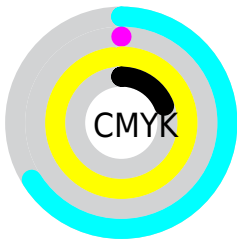
Blue (2%)



Red (2%)

Yellow (80%)

Blue (55%)

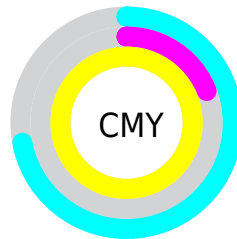


Cyan (66%)

Magenta (0%)

Yellow (98%)

Black (19%)



Cyan (72%)


Magenta (19%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 96.681, 132.563 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, 96.681, 132.563 by changing the saturation by 10% instead.


 73, 96.681,
132.563


 73, 96.681,
132.563


 100, 96.681,
132.563


 63, 96.681,
132.563


 93, 96.681,
132.563

 53, 96.681,
132.563

 43, 96.681,
132.563

 33, 96.681,
132.563

 23, 96.681,
132.563

 13, 96.681,
132.563

 3, 96.681, 132.563

■ 0, 96.681, 132.563

■ 73, 96.681,
132.563

■ 73, 96.681,
132.563

■ 73, 97.517,
132.735

■ 73, 92.541,
131.870

■ 74, 86.138,
131.603

■ 75, 77.719,
131.710

■ 75, 67.795,
132.063

■ 76, 56.853,
132.546

■ 77, 45.272,
133.079

■ 79, 33.329,
133.612

■ 80, 21.222,
134.118

■ 81, 9.093, 134.590

Harmonies

Complementary

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



73, 96.681, 132.563



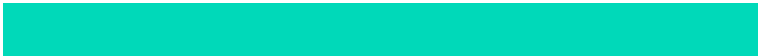
38, 101.470, 316.619

Rectangle

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



73, 96.681, 132.563



73, 96.681, 182.563



73, 96.681, 312.563



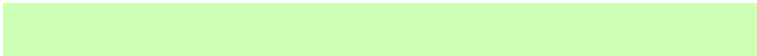
73, 96.681, 2.563

Sweetspot

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



73, 96.680, 132.564



95, 41.817, 133.516



63, 69.421, 76.005



50, 28.657, 133.286



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, 96.680, 132.564



89, 115.034, 132.902



72, 96.431, 138.094



42, 6.806, 134.504



60, 82.952, 132.530



13, 26.029, 135.903

Inverse Universe

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



38, 101.470, 316.619



47, 120.502, 316.341



47, 85.914, 336.051



40, 6.867, 315.260



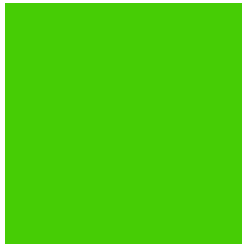
30, 87.132, 316.618



3, 25.687, 313.733

Previews

White Background



This preview shows how the CIELCh color 73, 96.681, 132.563 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, 96.681, 132.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

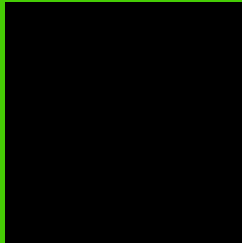
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

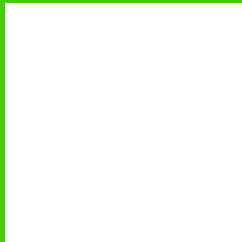
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 96.681, 132.563

Background



This preview shows how black text looks on a background with the CIELCh color 73, 96.681, 132.563.

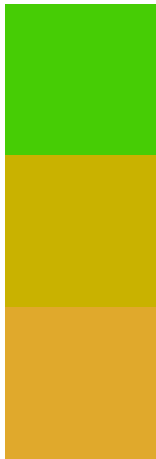


This preview shows how white text looks on a background with the CIELCh color 73, 96.681, 132.563.

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](#).

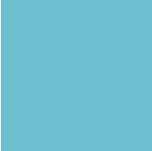
Dichromacy



Original Color
73, 96.593, 132.597

Protanopia
72, 74.782, 94.847

Deuteranopia
72, 67.548, 82.051



Tritanopia
73, 26.256, 215.884

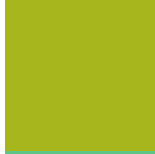
Trichromacy



Original Color
73, 96.593, 132.597



Protanomaly
71, 78.532, 113.703



Deuteranomaly
71, 70.984, 108.272



Tritanomaly
72, 49.543, 152.615

Monochromacy



Original Color
73, 96.593, 132.597



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 44.420, 132.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 96.681, 132.563 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(70, 205, 5)` looks like.

```
.text, #text, p{  
    color:rgb(70, 205, 5)  
}
```

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(70, 205, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 205, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 96.681, 132.563 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(70, 205, 5) }
```

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

```
.border{ border-color:rgb(70, 205, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 205, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 205, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 205, 5);  
box-shadow:4px 4px 4px 4px rgb(70, 205, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 73, 96.681, 132.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 205, 5) }
```

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

```
.background{ background-color: rgb(70, 205,  
5) }
```

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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