

Converting Colors

CIELCh(70, 93.509, 131.966)

Have a look what the booklet for
CIELCh(70, 93.509, 131.966)
contains.

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Color

CIELCh(70, 93.409, 132.049)

Conversions

Conversions Part 1

Format	Color
Hex	46C400
RGB	70, 196, 0
RGB Percent	27%, 77%, 0%
CMY	0.7258, 0.2316, 1.0000
CMYK	0.64, 0.00, 1.00, 0.23
HSL	99°, 100%, 38%
HSV	99°, 100%, 77%
XYZ	22.2444, 40.7494, 6.6883
YIQ	135.9820, -12.1800, -87.6680

Conversions

Conversions Part 2

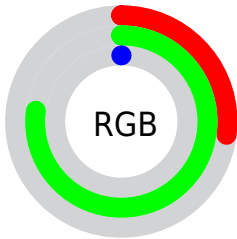
Format	Color
RYB	0, 196, 126
Decimal	4637696
CIELab	70.00, -62.56, 69.36
CIELCh	70, 93.409, 132.049
Yxy	40.7494, 0.3192, 0.5848
Android (android.graphics.Color)	4282827776 (0xFF46C400)
YUV	135.9820, -67.0391, -57.8662
Hunter-Lab	63.8353, -49.5107, 38.4726

Details

The CIELCh color **70, 93.409, 132.049** 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 **35, 99.322, 315.591**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 93.592, 132.100**, and **51, 77.067, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 93.395, 132.055**, and if you desaturate by 10%, it is **70, 89.671, 131.272**.

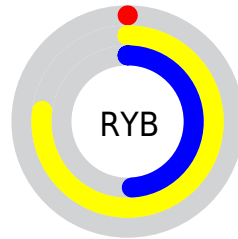
Distribution



Red (27%)

Green (77%)

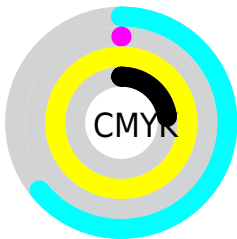
Blue (0%)



Red (0%)

Yellow (77%)

Blue (49%)

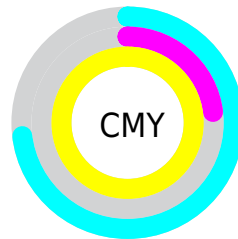


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (73%)


Magenta (23%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 93.409, 132.049 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 70, 93.409, 132.049 by changing the saturation by 10% instead.


 70, 93.409,
132.049


 70, 93.409,
132.049


 100, 93.409,
132.049


 60, 93.409,
132.049


 90, 93.409,
132.049

 50, 93.409,
132.049

 40, 93.409,
132.049

 30, 93.409,
132.049

 20, 93.409,
132.049

 10, 93.409,
132.049

 0, 93.409, 132.049

■ 70, 93.409,
132.049

■ 70, 93.409,
132.049

■ 70, 93.395,
132.055

■ 70, 89.671,
131.272

■ 71, 84.002,
130.846

■ 72, 76.334,
130.827

■ 72, 67.133,
131.089

■ 73, 56.876,
131.515

■ 74, 45.943,
132.014

■ 75, 34.616,
132.530

■ 76, 23.094,

133.030

■ 78, 11.519,
133.501

Harmonies

Complementary

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



70, 93.409, 132.049



35, 99.322, 315.591

Rectangle

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



70, 93.409, 132.049



70, 93.409, 182.049



70, 93.409, 312.049



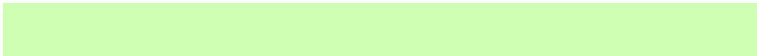
70, 93.409, 2.049

Sweetspot

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



70, 93.395, 132.055



95, 42.867, 132.506



58, 67.688, 72.363



50, 29.201, 132.285



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 93.395, 132.055



89, 114.174, 132.276



69, 95.210, 137.306



40, 6.470, 133.530



58, 80.414, 131.846



10, 22.087, 136.714

Inverse Universe

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



35, 99.322, 315.591



46, 121.243, 315.427



45, 85.348, 334.393



38, 6.532, 314.279



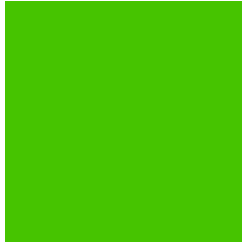
28, 85.637, 315.743



2, 20.858, 310.793

Previews

White Background



This preview shows how the CIELCh color 70, 93.409, 132.049 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 70, 93.409, 132.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

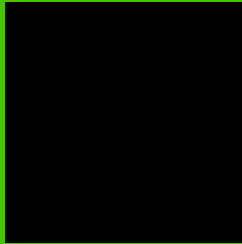
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 93.409, 132.049

Background



This preview shows how black text looks on a background with the CIELCh color 70, 93.409, 132.049.

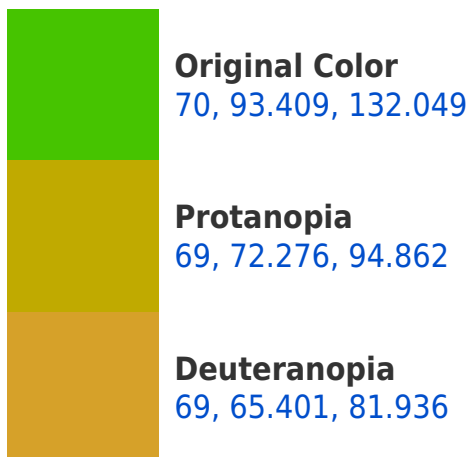


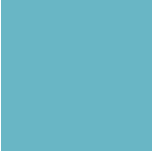
This preview shows how white text looks on a background with the CIELCh color 70, 93.409, 132.049.

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
70, 24.845, 217.187

Trichromacy



Original Color
70, 93.409, 132.049



Protanomaly
68, 75.792, 113.191



Deuteranomaly
68, 69.103, 107.669



Tritanomaly
69, 48.009, 151.354

Monochromacy



Original Color
70, 93.409, 132.049



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 43.226, 131.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 93.409, 132.049 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, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 196, 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(70, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 196, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 93.409, 132.049 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, 196, 0) }
```

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

```
.border{ border-color:rgb(70, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 196, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 70, 93.409, 132.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 196, 0) }
```

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

```
.background{ background-color: rgb(70, 196,  
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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