

Converting Colors

CIELCh(48, 70.599, 136.513)

Have a look what the booklet for
CIELCh(48, 70.599, 136.513)
contains.

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Color

CIELCh(48, 70.811, 136.500)

Conversions

Conversions Part 1

Format	Color
Hex	0F850D
RGB	15, 133, 13
RGB Percent	6%, 52%, 5%
CMY	0.9413, 0.4800, 0.9475
CMYK	0.89, 0.00, 0.90, 0.48
HSL	119°, 82%, 29%
HSV	119°, 90%, 52%
XYZ	8.6033, 16.7945, 3.1816
YIQ	84.0380, -31.8080, -62.3360

Conversions

Conversions Part 2

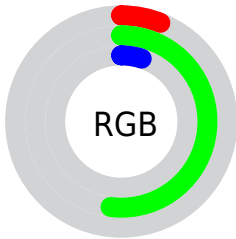
Format	Color
RYB	13, 133, 131
Decimal	1017101
CIELab	48.00, -51.36, 48.74
CIELCh	48, 70.811, 136.500
Yxy	16.7945, 0.3010, 0.5876
Android (android.graphics.Color)	4279207181 (0xFF0F850D)
YUV	84.0380, -35.0217, -60.5463
Hunter-Lab	40.9810, -34.2438, 24.0837

Details

The CIELCh color **48, 70.811, 136.500** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **31, 68.800, 327.639**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 70.825, 136.509**, and **29, 52.535, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **48, 73.595, 135.938**, and if you desaturate by 10%, it is **48, 66.712, 137.233**.

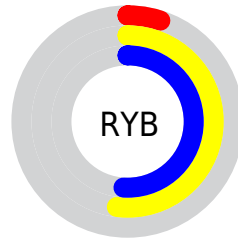
Distribution



Red (6%)

Green (52%)

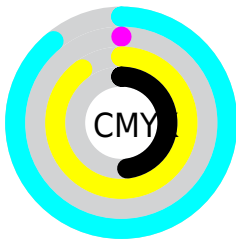
Blue (5%)



Red (5%)

Yellow (52%)

Blue (51%)

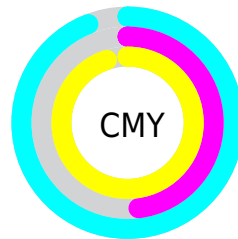


Cyan (89%)

Magenta (0%)

Yellow (90%)

Black (48%)



Cyan (94%)

Magenta (48%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 70.811, 136.500 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 48, 70.811, 136.500 by changing the saturation by 10% instead.


 48, 70.811,
136.500


 48, 70.811,
136.500


 100, 70.811,
136.500

 38, 70.811,
136.500


 68, 70.811,
136.500


 28, 70.811,
136.500


 78, 70.811,
136.500

 18, 70.811,
136.500

 88, 70.811,
136.500

 8, 70.811, 136.500

 98, 70.811,
136.500

 0, 70.811, 136.500

 48, 70.811,

 48, 70.811,

136.500

136.500

■ 48, 73.595,
135.938

■ 48, 66.712,
137.233

■ 48, 73.620,
135.933

■ 49, 60.950,
138.191

■ 49, 53.862,
139.245

■ 50, 45.798,
140.289

■ 51, 37.069,
141.260

■ 52, 27.932,
142.130

■ 53, 18.594,
142.891

■ 54, 9.214, 143.553

Harmonies

Complementary

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



48, 70.811, 136.500



31, 68.800, 327.639

Rectangle

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



48, 70.811, 136.500



48, 70.811, 186.500



48, 70.811, 316.500



48, 70.811, 6.500

Sweetspot

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



48, 70.811, 136.501



67, 31.407, 142.313



53, 56.569, 102.179



34, 21.061, 142.085



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 70.811, 136.501



62, 89.628, 135.956



49, 51.339, 151.044



27, 5.240, 143.602



47, 72.595, 135.931



1, 1.250, 144.086

Inverse Universe

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



31, 68.800, 327.639



41, 86.597, 327.704



29, 50.900, 355.972



26, 5.250, 324.536



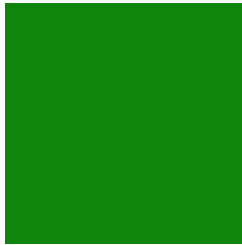
30, 70.163, 327.717



0, 1.250, 324.082

Previews

White Background



This preview shows how the CIELCh color 48, 70.811, 136.500 looks on a white background.

Color Contrast Check

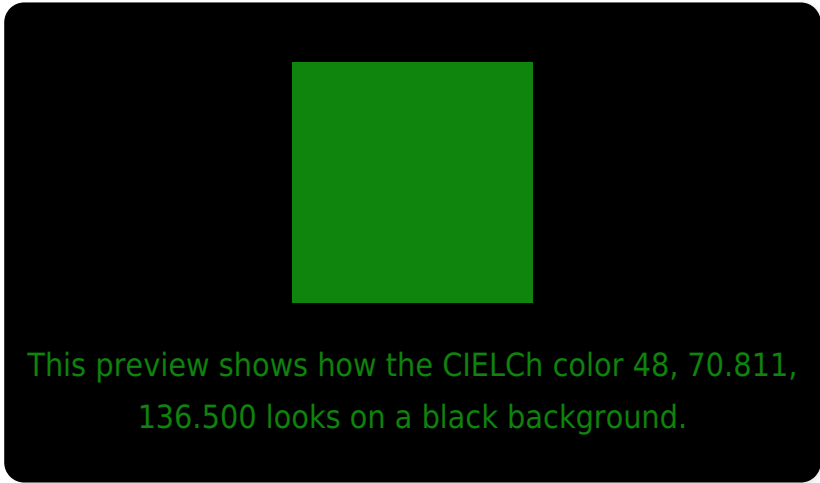
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

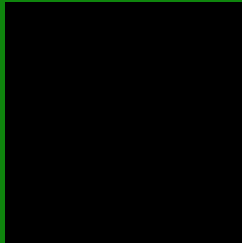
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 70.811, 136.500

Background



This preview shows how black text looks on a background with the CIELCh color 48, 70.811, 136.500.



This preview shows how white text looks on a background with the CIELCh color 48, 70.811, 136.500.

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


48, 71.053, 136.458

Protanopia

48, 53.753, 95.538

Deuteranopia

48, 45.961, 82.806



Tritanopia
48, 21.426, 213.516

Trichromacy



Original Color
48, 71.053, 136.458



Protanomaly
47, 57.187, 118.895



Deuteranomaly
46, 49.440, 115.147

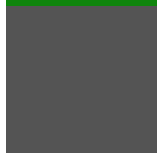


Tritanomaly
47, 36.387, 160.126

Monochromacy



Original Color
48, 71.053, 136.458



Achromatopsia
36, 0.005, 296.813



Achromatomaly
39, 32.148, 140.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 70.811, 136.500 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(15, 133, 13)` looks like.

```
.text, #text, p{  
    color:rgb(15, 133, 13)  
}
```

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(15, 133, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 133, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 70.811, 136.500 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(15, 133, 13) }
```

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

```
.border{ border-color:rgb(15, 133, 13) }
```

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

Here you see how a box with a 4 pixel rgb(15, 133, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 133, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 133, 13);  
box-shadow:4px 4px 4px 4px rgb(15, 133,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 70.811, 136.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 133, 13) }
```

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

```
.background{ background-color: rgb(15, 133,  
13) }
```

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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