

Converting Colors

CIELCh(48, 70.336, 136.870)

Have a look what the booklet for
CIELCh(48, 70.336, 136.870)
contains.

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Color

CIELCh(48, 70.545, 136.844)

Conversions

Conversions Part 1

Format	Color
Hex	0D850F
RGB	13, 133, 15
RGB Percent	5%, 52%, 6%
CMY	0.9490, 0.4799, 0.9393
CMYK	0.90, 0.00, 0.88, 0.48
HSL	121°, 82%, 29%
HSV	121°, 90%, 52%
XYZ	8.5920, 16.7945, 3.2583
YIQ	83.6680, -33.6420, -62.1380

Conversions

Conversions Part 2

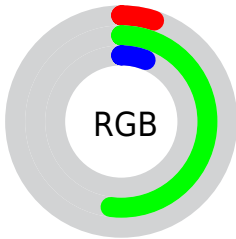
Format	Color
RYB	13, 131, 133
Decimal	886031
CIELab	48.00, -51.46, 48.25
CIElCh	48, 70.545, 136.844
Yxy	16.7945, 0.3000, 0.5863
Android (android.graphics.Color)	4279076111 (0xFF0D850F)
YUV	83.6680, -33.8533, -61.9758
Hunter-Lab	40.9810, -34.2927, 23.9727

Details

The CIELCh color **48, 70.545, 136.844** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **31, 67.867, 328.880**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 70.613, 136.884**, and **29, 52.535, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **48, 73.272, 136.266**, and if you desaturate by 10%, it is **48, 66.381, 137.732**.

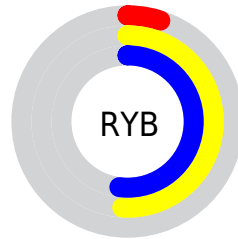
Distribution



Red (5%)

Green (52%)

Blue (6%)



Red (5%)

Yellow (51%)

Blue (52%)

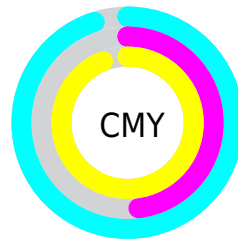


Cyan (90%)

Magenta (0%)

Yellow (88%)

Black (48%)



Cyan (95%)

Magenta (48%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 70.545, 136.844 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, 70.545, 136.844 by changing the saturation by 10% instead.


 48, 70.545,
136.844


 48, 70.545,
136.844


 100, 70.545,
136.844

 38, 70.545,
136.844

 68, 70.545,
136.844

 28, 70.545,
136.844

 78, 70.545,
136.844

 18, 70.545,
136.844

 88, 70.545,
136.844

 8, 70.545, 136.844

 98, 70.545,
136.844

 0, 70.545, 136.844

 48, 70.545,

 48, 70.545,

136.844

136.844

■ 48, 73.272,
136.266

■ 48, 66.381,
137.732

■ 49, 60.627,
138.809

■ 49, 53.596,
139.947

■ 50, 45.616,
141.050

■ 51, 36.980,
142.065

■ 52, 27.937,
142.966

■ 53, 18.690,
143.751

■ 54, 9.397, 144.433

Harmonies

Complementary

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



48, 70.545, 136.844



31, 67.867, 328.880

Rectangle

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



48, 70.545, 136.844



48, 70.545, 186.844



48, 70.545, 316.844



48, 70.545, 6.844

Sweetspot

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



48, 70.545, 136.845



67, 31.106, 143.179



53, 57.358, 104.059



34, 20.859, 142.944



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, 70.545, 136.845



62, 89.307, 136.198



49, 49.778, 152.678



27, 5.190, 144.501



47, 72.229, 136.272



1, 1.238, 144.998

Inverse Universe

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



31, 67.867, 328.880



41, 85.164, 329.067



29, 50.468, 358.825



26, 5.199, 325.459



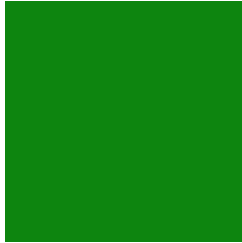
30, 69.030, 329.047



0, 1.238, 324.993

Previews

White Background



This preview shows how the CIELCh color 48, 70.545, 136.844 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



This preview shows how the CIE LCh color 48, 70.545, 136.844 looks on a 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, 70.545, 136.844

Background



This preview shows how black text looks on a background with the CIELCh color 48, 70.545, 136.844.



This preview shows how white text looks on a background with the CIELCh color 48, 70.545, 136.844.

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, 70.797, 136.787

Protanopia
48, 52.269, 95.534

Deuteranopia
48, 45.566, 82.686



Tritanopia
48, 21.637, 213.335

Trichromacy



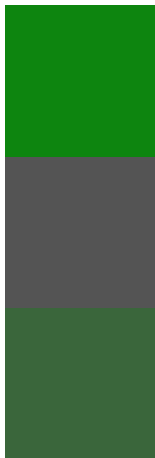
Original Color
48, 70.797, 136.787

Protanomaly
47, 56.368, 119.681

Deuteranomaly
46, 49.201, 115.779

Tritanomaly
47, 37.298, 160.010

Monochromacy



Original Color
48, 70.797, 136.787

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 31.886, 141.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 70.545, 136.844 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(13, 133, 15)` looks like.

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

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

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

Border

The CSS property to change the border of an element to CIELCh 48, 70.545, 136.844 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(13, 133, 15) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 48, 70.545, 136.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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