

Converting Colors

CIELCh(51, 87.634, 119.620)

Have a look what the booklet for
CIELCh(51, 87.634, 119.620)
contains.

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Color

CIELCh(51, 68.363, 126.913)

Conversions

Conversions Part 1

Format	Color
Hex	478900
RGB	71, 137, 0
RGB Percent	28%, 54%, 0%
CMY	0.7213, 0.4622, 1.0000
CMYK	0.48, 0.00, 1.00, 0.46
HSL	89°, 100%, 27%
HSV	89°, 100%, 54%
XYZ	11.5608, 19.2686, 3.0677
YIQ	101.6480, 4.6410, -56.5990

Conversions

Conversions Part 2

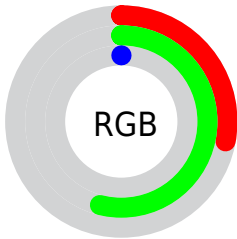
Format	Color
RYB	0, 137, 66
Decimal	4688128
CIELab	51.00, -41.06, 54.66
CIElCh	51, 68.363, 126.913
Yxy	19.2686, 0.3411, 0.5684
Android (android.graphics.Color)	4282878208 (0xFF478900)
YUV	101.6480, -50.1125, -26.8783
Hunter-Lab	43.8960, -29.8071, 26.5837

Details

The CIELCh color **51, 68.363, 126.913** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 78.782, 311.764**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 67.965, 127.183**, and **31, 53.848, 135.434** is the 20% darker color. If you saturate the color by 10%, you get **51, 68.122, 127.023**, and if you desaturate by 10%, it is **51, 64.828, 126.265**.

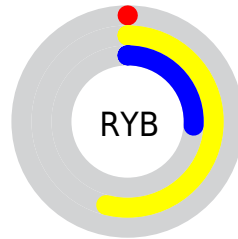
Distribution



Red (28%)

Green (54%)

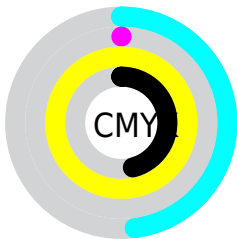
Blue (0%)



Red (0%)

Yellow (54%)

Blue (26%)

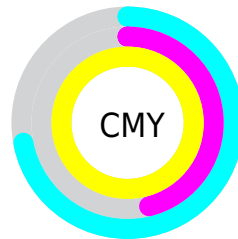


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (72%)


Magenta (46%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 68.363, 126.913 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 51, 68.363, 126.913 by changing the saturation by 10% instead.


 51, 68.363,
126.913


 51, 68.363,
126.913


 100, 68.363,
126.913


 41, 68.363,
126.913


 71, 68.363,
126.913

 31, 68.363,
126.913

 81, 68.363,
126.913

 21, 68.363,
126.913

 91, 68.363,
126.913

 11, 68.363,
126.913

 1, 68.363, 126.913

 0, 68.363, 126.913

■ 51, 68.363,
126.913

■ 51, 68.363,
126.913

■ 51, 68.122,
127.023

■ 51, 64.828,
126.265

■ 52, 60.459,
125.770

■ 52, 54.760,
125.664

■ 53, 48.062,
125.832

■ 53, 40.679,
126.169

■ 54, 32.858,
126.597

■ 55, 24.774,
127.065

■ 55, 16.549,

127.540

■ 56, 8.268, 128.004

Harmonies

Complementary

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



51, 68.363, 126.913



20, 78.782, 311.764

Rectangle

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



51, 68.363, 126.913



51, 68.363, 176.913



51, 68.363, 306.913



51, 68.363, 356.913

Sweetspot

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



51, 68.122, 127.023



70, 30.716, 127.034



36, 54.227, 58.929



36, 20.842, 126.862



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 68.122, 127.023



65, 82.946, 127.385



49, 75.321, 135.818



29, 4.680, 128.042



49, 66.449, 126.971



1, 2.175, 128.427

Inverse Universe

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



20, 78.782, 311.764



27, 95.830, 311.517



31, 72.983, 326.952



27, 4.744, 308.818



19, 76.859, 311.800



0, 2.175, 308.425

Previews

White Background



This preview shows how the CIELCh color 51, 68.363, 126.913 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 68.363, 126.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

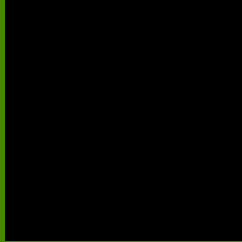
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 68.363, 126.913

Background



This preview shows how black text looks on a background with the CIELCh color 51, 68.363, 126.913.



This preview shows how white text looks on a background with the CIELCh color 51, 68.363, 126.913.

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


51, 68.072, 127.023

Protanopia

51, 56.336, 95.422

Deuteranopia

51, 50.323, 82.831



Tritanopia
51, 14.548, 224.568

Trichromacy



Original Color
51, 68.072, 127.023

Protanomaly
50, 58.338, 109.819

Deuteranomaly
50, 52.743, 103.311

Tritanomaly
50, 31.819, 145.196

Monochromacy



Original Color
51, 68.072, 127.023

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 30.835, 126.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 68.363, 126.913 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(71, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 137, 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(71, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 137, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 68.363, 126.913 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(71, 137, 0) }
```

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

```
.border{ border-color:rgb(71, 137, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 137, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 68.363, 126.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 137, 0) }
```

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

```
.background{ background-color: rgb(71, 137,  
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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