

Converting Colors

CIELCh(51, 68.790, 140.571)

Have a look what the booklet for
CIELCh(51, 68.790, 140.571)
contains.

CIELCh(51, 68.752, 140.536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 68.752, 140.536)

Conversions

Conversions Part 1

Format	Color
Hex	058D26
RGB	5, 141, 38
RGB Percent	2%, 55%, 15%
CMY	0.9822, 0.4464, 0.8503
CMYK	0.97, 0.00, 0.73, 0.45
HSL	135°, 94%, 29%
HSV	135°, 97%, 55%
XYZ	9.9584, 19.2686, 5.0418
YIQ	88.5940, -47.9930, -60.8650

Conversions

Conversions Part 2

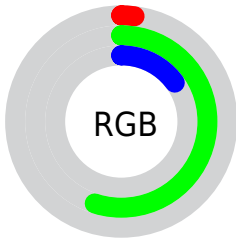
Format	Color
RYB	5, 114, 141
Decimal	363814
CIELab	51.00, -53.08, 43.70
CIELCh	51, 68.752, 140.536
Yxy	19.2686, 0.2906, 0.5623
Android (android.graphics.Color)	4278553894 (0xFF058D26)
YUV	88.5940, -24.9428, -73.3119
Hunter-Lab	43.8960, -36.3229, 23.9173

Details

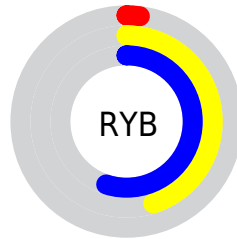
The CIELCh color **51, 68.752, 140.536** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **31, 61.453, 340.345**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **71, 68.815, 140.369**, and **32, 55.577, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **51, 70.031, 140.061**, and if you desaturate by 10%, it is **51, 64.330, 142.247**.

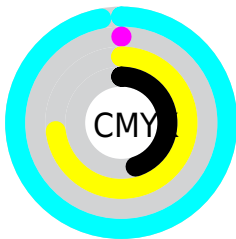
Distribution



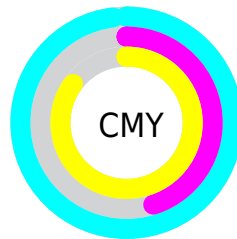
- Red (2%)
- Green (55%)
- Blue (15%)



- Red (2%)
- Yellow (45%)
- Blue (55%)



- Cyan (97%)
- Magenta (0%)
- Yellow (73%)
- Black (45%)





- Cyan (98%)
- Magenta (45%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 68.752, 140.536 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, 68.752, 140.536 by changing the saturation by 10% instead.


 51, 68.752,
140.536


 51, 68.752,
140.536


 100, 68.752,
140.536


 41, 68.752,
140.536


 71, 68.752,
140.536

 31, 68.752,
140.536

 81, 68.752,
140.536

 21, 68.752,
140.536

 91, 68.752,
140.536

 11, 68.752,
140.536

 1, 68.752, 140.536

 0, 68.752, 140.536

■ 51, 68.752,
140.536

■ 51, 68.752,
140.536

■ 51, 70.031,
140.061

■ 51, 64.330,
142.247

■ 52, 58.981,
143.940

■ 52, 52.770,
145.512

■ 53, 45.830,
146.929

■ 53, 38.317,
148.181

■ 54, 30.392,
149.277

■ 55, 22.210,
150.230

■ 56, 13.906,

151.061

■ 58, 5.594, 151.805

Harmonies

Complementary

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



51, 68.752, 140.536



31, 61.453, 340.345

Rectangle

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



51, 68.752, 140.536



51, 68.752, 190.536



51, 68.752, 320.536



51, 68.752, 10.536

Sweetspot

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



51, 68.752, 140.537



70, 29.779, 149.974



54, 63.643, 116.067



36, 20.335, 149.617



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 68.752, 140.537



65, 85.795, 139.649



52, 42.596, 165.697



30, 4.705, 151.630



49, 67.723, 140.141



2, 3.168, 152.199

Inverse Universe

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



31, 61.453, 340.345



41, 74.788, 341.093



29, 55.755, 21.192



28, 4.723, 332.738



30, 59.977, 340.688



1, 3.169, 332.192

Previews

White Background



This preview shows how the CIELCh color 51, 68.752, 140.536 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, 68.752, 140.536 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, 68.752, 140.536

Background



This preview shows how black text looks on a background with the CIELCh color 51, 68.752, 140.536.



This preview shows how white text looks on a background with the CIELCh color 51, 68.752, 140.536.

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, 68.707, 140.494

Protanopia

51, 47.641, 95.262

Deuteranopia

51, 41.712, 81.241



Tritanopia
51, 23.275, 211.931

Trichromacy



Original Color
51, 68.707, 140.494



Protanomaly
49, 52.603, 123.752



Deuteranomaly
49, 46.045, 120.470



Tritanomaly
50, 36.463, 166.095

Monochromacy



Original Color
51, 68.707, 140.494



Achromatopsia
38, 0.005, 296.813



Achromatomaly
41, 30.173, 148.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 68.752, 140.536 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(5, 141, 38)` looks like.

```
.text, #text, p{  
    color:rgb(5, 141, 38)  
}
```

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(5, 141, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 141, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 68.752, 140.536 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(5, 141, 38) }
```

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

```
.border{ border-color:rgb(5, 141, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 141, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 141, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 141, 38);  
box-shadow:4px 4px 4px 4px rgb(5, 141, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 68.752, 140.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 141, 38) }
```

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

```
.background{ background-color: rgb(5, 141,  
38) }
```

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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