

Converting Colors

CIELCh(50, 68.893, 137.347)

Have a look what the booklet for
CIELCh(50, 68.893, 137.347)
contains.

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Color

CIELCh(50, 68.864, 137.370)

Conversions

Conversions Part 1

Format	Color
Hex	1C8A1C
RGB	28, 138, 28
RGB Percent	11%, 54%, 11%
CMY	0.8921, 0.4599, 0.8914
CMYK	0.80, 0.00, 0.80, 0.46
HSL	120°, 67%, 32%
HSV	120°, 80%, 54%
XYZ	9.7197, 18.4187, 4.1218
YIQ	92.5700, -30.2500, -57.5300

Conversions

Conversions Part 2

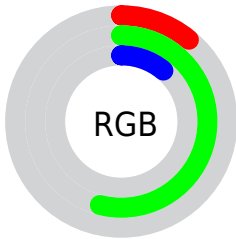
Format	Color
R_{YB}	28, 138, 138
Decimal	1870364
CIE _{Lab}	50.00, -50.67, 46.64
CIE _{LCh}	50, 68.864, 137.370
Yxy	18.4187, 0.3013, 0.5709
Android (android.graphics.Color)	4280060444 (0xFF1C8A1C)
YUV	92.5700, -31.8330, -56.6279
Hunter-Lab	42.9170, -34.6784, 24.3476

Details

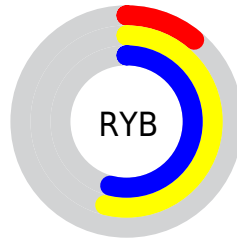
The CIELCh color **50, 68.864, 137.370** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **34, 67.228, 328.011**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 69.022, 137.271**, and **31, 54.279, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **50, 72.984, 136.587**, and if you desaturate by 10%, it is **50, 63.005, 138.380**.

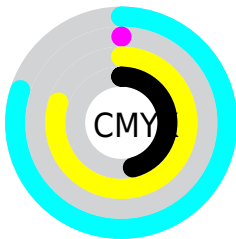
Distribution



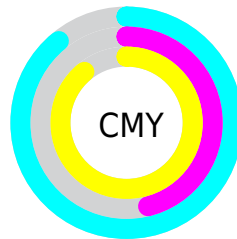
- Red (11%)
- Green (54%)
- Blue (11%)



- Red (11%)
- Yellow (54%)
- Blue (54%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (46%)





- Cyan (89%)
- Magenta (46%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 68.864, 137.370 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 50, 68.864, 137.370 by changing the saturation by 10% instead.


 50, 68.864,
137.370


 50, 68.864,
137.370


 100, 68.864,
137.370


 40, 68.864,
137.370


 70, 68.864,
137.370

 30, 68.864,
137.370


 80, 68.864,
137.370


 20, 68.864,
137.370

 90, 68.864,
137.370

 10, 68.864,
137.370

 0, 68.864, 137.370

 50, 68.864,
137.370

 50, 68.864,
137.370

■ 50, 72.984,
136.587

■ 50, 63.005,
138.380

■ 50, 75.726,
136.034

■ 51, 55.748,
139.481

■ 52, 47.455,
140.566

■ 52, 38.453,
141.572

■ 53, 29.011,
142.469

■ 55, 19.351,
143.252

■ 56, 9.642, 143.932

■ 57, 0.013, 160.324

■ 59, 9.449, 324.946

Harmonies

Complementary

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



50, 68.864, 137.370



34, 67.228, 328.011

Rectangle

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



50, 68.864, 137.370



50, 68.864, 187.370



50, 68.864, 317.370



50, 68.864, 7.370

Sweetspot

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



50, 68.864, 137.371



69, 28.685, 142.914



56, 55.511, 103.508



35, 19.625, 142.668



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 68.864, 137.371



63, 90.654, 136.193



51, 48.053, 153.784



28, 5.426, 143.987



48, 73.673, 136.035



1, 2.509, 144.484

Inverse Universe

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



34, 67.228, 328.011



43, 87.533, 328.262



31, 49.573, 354.550



27, 5.435, 324.946



31, 71.031, 328.293



0, 2.509, 324.480

Previews

White Background



This preview shows how the CIELCh color 50, 68.864, 137.370 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 CIE LCh color 50, 68.864, 137.370 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 50, 68.864, 137.370

Background



This preview shows how black text looks on a background with the CIELCh color 50, 68.864, 137.370.



This preview shows how white text looks on a background with the CIELCh color 50, 68.864, 137.370.

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
50, 68.864, 137.370

Protanopia
50, 50.300, 95.790

Deuteranopia
50, 44.261, 81.314



Tritanopia
50, 21.566, 214.990

Trichromacy



Original Color
50, 68.864, 137.370



Protanomaly
49, 53.992, 118.768



Deuteranomaly
48, 46.536, 113.927

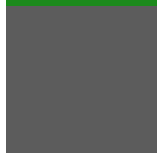


Tritanomaly
50, 35.001, 162.520

Monochromacy



Original Color
50, 68.864, 137.370



Achromatopsia
39, 0.006, 296.813



Achromatomaly
42, 29.226, 141.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 68.864, 137.370 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(28, 138, 28)` looks like.

```
.text, #text, p{  
    color:rgb(28, 138, 28)  
}
```

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(28, 138, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 138, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 68.864, 137.370 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(28, 138, 28) }
```

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

```
.border{ border-color:rgb(28, 138, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 138, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 138, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 138, 28);  
box-shadow:4px 4px 4px 4px rgb(28, 138,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 68.864, 137.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 138, 28) }
```

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

```
.background{ background-color: rgb(28, 138,  
28) }
```

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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