

Converting Colors

CIELCh(57, 70.789, 137.963)

Have a look what the booklet for
CIELCh(57, 70.789, 137.963)
contains.

CIELCh(57, 70.790, 138.000)	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(57, 70.790, 138.000)

Conversions

Conversions Part 1

Format	Color
Hex	2E9D2D
RGB	46, 157, 45
RGB Percent	18%, 62%, 18%
CMY	0.8191, 0.3839, 0.8231
CMYK	0.71, 0.00, 0.71, 0.38
HSL	119°, 55%, 40%
HSV	119°, 71%, 62%
XYZ	13.6827, 24.9227, 6.5824
YIQ	111.0430, -30.2040, -58.3640

Conversions

Conversions Part 2

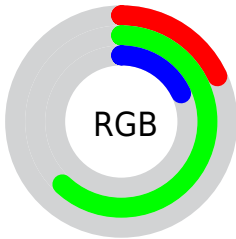
Format	Color
RYB	45, 157, 156
Decimal	3054893
CIELab	57.00, -52.61, 47.37
CIELCh	57, 70.790, 138.000
Yxy	24.9227, 0.3028, 0.5515
Android (android.graphics.Color)	4281244973 (0xFF2E9D2D)
YUV	111.0430, -32.5592, -57.0427
Hunter-Lab	49.9226, -38.4417, 27.1283

Details

The CIELCh color **57, 70.790, 138.000** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **40, 69.622, 327.468**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 71.074, 137.994**, and **38, 61.962, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **57, 76.945, 137.058**, and if you desaturate by 10%, it is **58, 62.979, 139.072**.

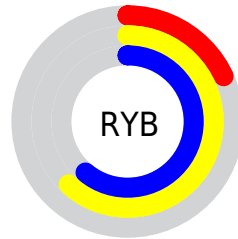
Distribution



Red (18%)

Green (62%)

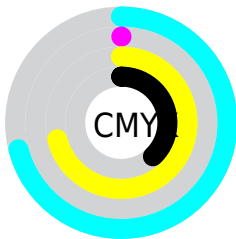
Blue (18%)



Red (18%)

Yellow (62%)

Blue (61%)

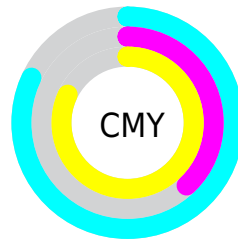


Cyan (71%)

Magenta (0%)

Yellow (71%)

Black (38%)



Cyan (82%)

Magenta (38%)


Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 70.790, 138.000 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 57, 70.790, 138.000 by changing the saturation by 10% instead.


 57, 70.790,
138.000


 57, 70.790,
138.000

 100, 70.790,
138.000

 47, 70.790,
138.000


 77, 70.790,
138.000

 37, 70.790,
138.000

 87, 70.790,
138.000

 27, 70.790,
138.000

 97, 70.790,
138.000

 17, 70.790,
138.000

 7, 70.790, 138.000

 0, 70.790, 138.000

■ 57, 70.790,
138.000

■ 57, 70.790,
138.000

■ 57, 76.945,
137.058

■ 58, 62.979,
139.072

■ 56, 81.077,
136.380

■ 58, 53.932,
140.152

■ 56, 83.354,
135.970

■ 59, 44.030,
141.166

■ 60, 33.593,
142.077

■ 62, 22.879,
142.874

■ 63, 12.085,
143.565

■ 65, 1.364, 144.287

■ 66, 9.180, 324.600

■ 68, 19.475,
325.032

Harmonies

Complementary

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



57, 70.790, 138.000



40, 69.622, 327.468

Rectangle

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



57, 70.790, 138.000



57, 70.790, 188.000



57, 70.790, 318.000



57, 70.790, 8.000

Sweetspot

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



57, 70.790, 138.001



78, 27.919, 142.865



62, 56.250, 103.102



41, 18.858, 142.673



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 70.790, 138.001



72, 96.889, 136.588



58, 49.697, 154.383



33, 6.076, 143.695



51, 77.726, 135.964



3, 7.921, 144.212

Inverse Universe

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



40, 69.622, 327.468



49, 94.149, 327.781



38, 51.599, 351.505



31, 6.087, 324.666



33, 75.074, 327.877



1, 7.915, 324.135

Previews

White Background



This preview shows how the CIELCh color 57, 70.790, 138.000 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 57, 70.790, 138.000 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 57, 70.790, 138.000

Background



This preview shows how black text looks on a background with the CIELCh color 57, 70.790, 138.000.



This preview shows how white text looks on a background with the CIELCh color 57, 70.790, 138.000.

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
57, 70.790, 138.000

Protanopia
57, 51.093, 95.583

Deuteranopia
56, 45.438, 80.561



Tritanopia
57, 22.765, 215.204

Trichromacy



Original Color
57, 70.790, 138.000



Protanomaly
56, 54.774, 118.169



Deuteranomaly
55, 47.608, 112.752



Tritanomaly
57, 35.267, 163.973

Monochromacy



Original Color
57, 70.790, 138.000



Achromatopsia
47, 0.006, 296.813



Achromatomaly
50, 29.167, 142.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 70.790, 138.000 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(46, 157, 45)` looks like.

```
.text, #text, p{  
    color:rgb(46, 157, 45)  
}
```

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(46, 157, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 157, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 70.790, 138.000 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(46, 157, 45) }
```

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

```
.border{ border-color:rgb(46, 157, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 157, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 157, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 157, 45);  
box-shadow:4px 4px 4px 4px rgb(46, 157,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 70.790, 138.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 157, 45) }
```

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

```
.background{ background-color: rgb(46, 157,  
45) }
```

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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