

Converting Colors

CIELCh(68, 28.741, 118.824)

Have a look what the booklet for
CIELCh(68, 28.741, 118.824)
contains.

CIELCh(68, 28.741, 118.824)	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(68, 28.741, 118.824)

Conversions

Conversions Part 1

Format	Color
Hex	9EAC78
RGB	158, 172, 120
RGB Percent	62%, 67%, 47%
CMY	0.3816, 0.3267, 0.5306
CMYK	0.08, 0.00, 0.30, 0.33
HSL	76°, 24%, 57%
HSV	76°, 30%, 67%
XYZ	32.1041, 37.9720, 23.3121
YIQ	161.8860, 8.3480, -19.1400

Conversions

Conversions Part 2

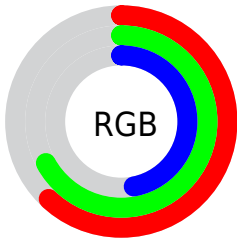
Format	Color
RYB	120, 172, 134
Decimal	10398840
CIELab	68.00, -13.86, 25.18
CIELCh	68, 28.741, 118.824
Yxy	37.9720, 0.3438, 0.4066
Android (android.graphics.Color)	4288588920 (0xFF9EAC78)
YUV	161.8860, -20.6498, -3.4080
Hunter-Lab	61.6215, -14.8409, 20.7050

Details

The CIELCh color **68, 28.741, 118.824** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **53, 30.586, 302.799**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 28.382, 118.785**, and **48, 28.792, 118.962** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.935, 118.242**, and if you desaturate by 10%, it is **69, 19.336, 119.434**.

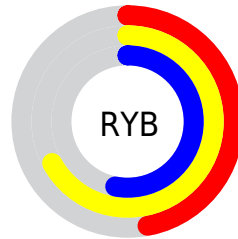
Distribution



Red (62%)

Green (67%)

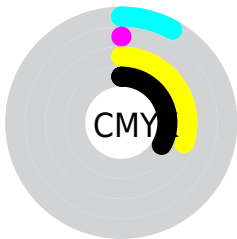
Blue (47%)



Red (47%)

Yellow (67%)

Blue (53%)

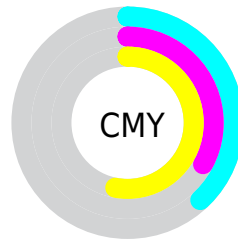


Cyan (8%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (38%)

Magenta (33%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 28.741, 118.824 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 68, 28.741, 118.824 by changing the saturation by 10% instead.

 68, 28.741,
118.824

 68, 28.741,
118.824

 100, 28.741,
118.824

 58, 28.741,
118.824


 88, 28.741,
118.824

 48, 28.741,
118.824

 98, 28.741,
118.824

 38, 28.741,
118.824

 28, 28.741,
118.824

 18, 28.741,
118.824

 8, 28.741, 118.824

 0, 28.741, 118.824

■ 68, 28.741,
118.824

■ 68, 28.741,
118.824

■ 67, 37.935,
118.242

■ 69, 19.336,
119.434

■ 67, 46.760,
117.715

■ 69, 9.818, 120.042

■ 70, 0.258, 120.757

■ 66, 54.993,
117.298

■ 71, 9.295, 301.190

■ 66, 62.311,
117.067

■ 72, 18.806,
301.726

■ 65, 68.309,
117.115

■ 73, 28.251,
302.228

■ 65, 72.587,
117.546

■ 74, 37.610,
302.695

■ 65, 75.271,
118.291

■ 75, 45.791,
303.297

■ 75, 46.019,
305.132

Harmonies

Complementary

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



68, 28.741, 118.824



53, 30.586, 302.799

Rectangle

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



68, 28.741, 118.824



68, 28.741, 168.824



68, 28.741, 298.824



68, 28.741, 348.824

Sweetspot

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



68, 28.743, 118.826



88, 10.688, 120.109



59, 18.103, 46.160



47, 7.417, 120.024



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 28.743, 118.826



86, 42.294, 118.449



66, 32.563, 136.290



36, 5.451, 120.100



57, 68.246, 118.147



7, 11.715, 123.864

Inverse Universe

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



53, 30.586, 302.799



64, 45.706, 303.360



56, 33.099, 319.102



34, 5.555, 301.216



19, 87.881, 308.087



1, 11.499, 298.749

Previews

White Background



This preview shows how the CIELCh color 68, 28.741, 118.824 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 68, 28.741, 118.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

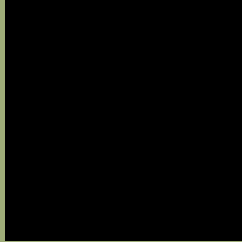
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 28.741, 118.824

Background



This preview shows how black text looks on a background with the CIELCh color 68, 28.741, 118.824.

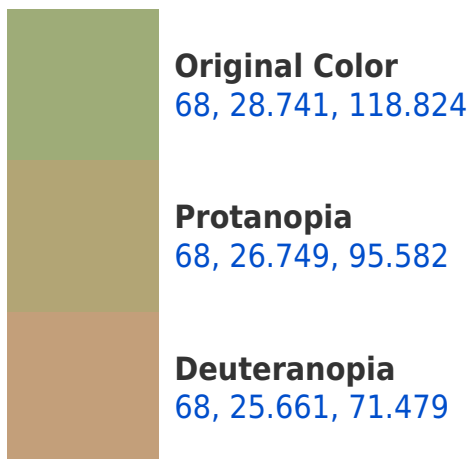


This preview shows how white text looks on a background with the CIELCh color 68, 28.741, 118.824.

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





Tritanopia
68, 7.188, 293.846

Trichromacy



Original Color
68, 28.741, 118.824

Protanomaly
68, 26.690, 103.794

Deuteranomaly
68, 24.601, 90.802

Tritanomaly
68, 6.354, 127.184

Monochromacy



Original Color
68, 28.741, 118.824

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 10.711, 121.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 28.741, 118.824 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(158, 172, 120)` looks like.

```
.text, #text, p{  
    color:rgb(158, 172, 120)  
}
```

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(158, 172, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 172, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 28.741, 118.824 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(158, 172, 120) }
```

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

```
.border{ border-color:rgb(158, 172, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 172, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 172, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 172, 120);  
box-shadow:4px 4px 4px 4px rgb(158, 172,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 28.741, 118.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 172, 120) }
```

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

```
.background{ background-color: rgb(158,  
172, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor