

Converting Colors

CIELCh(68, 27.601, 111.696)

Have a look what the booklet for
CIELCh(68, 27.601, 111.696)
contains.

CIELCh(68, 27.713, 111.613)	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, 27.713, 111.613)

Conversions

Conversions Part 1

Format	Color
Hex	A5AA77
RGB	165, 170, 119
RGB Percent	65%, 67%, 47%
CMY	0.3538, 0.3342, 0.5341
CMYK	0.03, 0.00, 0.30, 0.33
HSL	66°, 23%, 57%
HSV	66°, 30%, 67%
XYZ	33.1240, 37.9720, 22.9721
YIQ	162.6910, 13.3910, -16.9210

Conversions

Conversions Part 2

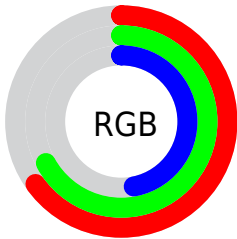
Format	Color
RYB	119, 170, 124
Decimal	10857079
CIELab	68.00, -10.21, 25.76
CIElCh	68, 27.713, 111.613
Yxy	37.9720, 0.3521, 0.4037
Android (android.graphics.Color)	4289047159 (0xFFA5AA77)
YUV	162.6910, -21.5397, 2.0250
Hunter-Lab	61.6215, -11.8866, 21.0321

Details

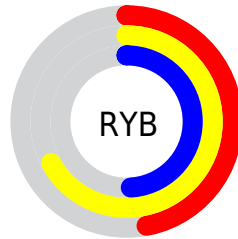
The CIELCh color **68, 27.713, 111.613** is a light color, and the websafe version is hex **999966**. A complement of this color would be **52, 29.736, 297.038**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 27.396, 111.135**, and **48, 27.704, 112.075** is the 20% darker color. If you saturate the color by 10%, you get **68, 36.618, 110.830**, and if you desaturate by 10%, it is **68, 18.586, 112.424**.

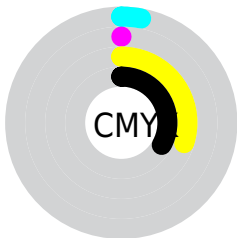
Distribution



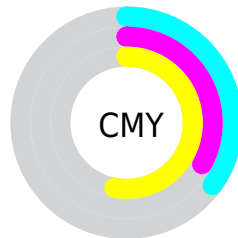
- Red (65%)
- Green (67%)
- Blue (47%)



- Red (47%)
- Yellow (67%)
- Blue (49%)



- Cyan (3%)
- Magenta (0%)
- Yellow (30%)
- Black (33%)





- Cyan (35%)
- Magenta (33%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 27.713, 111.613 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, 27.713, 111.613 by changing the saturation by 10% instead.


 68, 27.713,
111.613


 68, 27.713,
111.613


 100, 27.713,
111.613


 58, 27.713,
111.613


 88, 27.713,
111.613

 48, 27.713,
111.613

 98, 27.713,
111.613

 38, 27.713,
111.613

 28, 27.713,
111.613

 18, 27.713,
111.613

 8, 27.713, 111.613

 0, 27.713, 111.613

■ 68, 27.713,
111.613

■ 68, 27.713,
111.613

■ 68, 36.618,
110.830

■ 68, 18.586,
112.424

■ 67, 45.145,
110.094

■ 69, 9.334, 113.233

■ 67, 53.067,
109.448

■ 70, 0.022, 112.927

■ 70, 9.305, 294.810

■ 67, 60.059,
108.944

■ 71, 18.615,
295.553

■ 66, 65.710,
108.643

■ 72, 27.885,
296.263

■ 66, 69.616,
108.610

■ 72, 37.100,
296.935

■ 66, 71.943,
108.816

■ 73, 46.246,
297.568

■ 73, 46.474,
298.196

Harmonies

Complementary

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



68, 27.713, 111.613



52, 29.736, 297.038

Rectangle

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



68, 27.713, 111.613



68, 27.713, 161.613



68, 27.713, 291.613



68, 27.713, 341.613

Sweetspot

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



68, 27.714, 111.616



88, 10.409, 113.303



56, 19.998, 28.388



47, 7.290, 113.189



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, 27.714, 111.616



86, 41.074, 111.091



66, 30.321, 130.581



35, 5.228, 113.294



58, 64.994, 108.751



6, 9.609, 115.433

Inverse Universe

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



52, 29.736, 297.038



63, 44.906, 297.898



54, 31.344, 313.245



33, 5.340, 294.824



17, 88.584, 306.682



1, 9.582, 293.499

Previews

White Background



This preview shows how the CIELCh color 68, 27.713, 111.613 looks on a white background.

Color Contrast Check

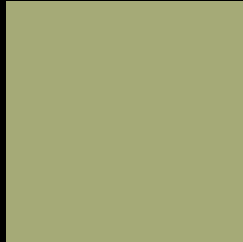
Large Text (above 18pt) WCAG AA × Fail

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, 27.713, 111.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

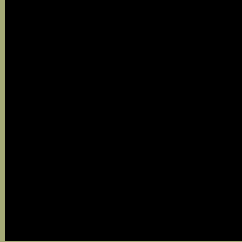
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 27.713, 111.613

Background



This preview shows how black text looks on a background with the CIELCh color 68, 27.713, 111.613.

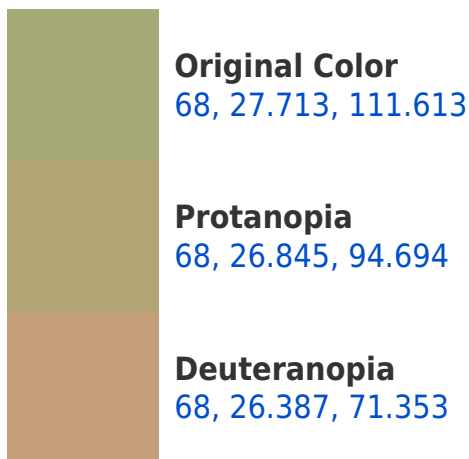


This preview shows how white text looks on a background with the CIELCh color 68, 27.713, 111.613.

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, 7.457, 317.558

Trichromacy



Original Color
68, 27.713, 111.613

Protanomaly
68, 26.802, 101.100

Deuteranomaly
68, 25.370, 86.189

Tritanomaly
68, 5.694, 93.734

Monochromacy



Original Color
68, 27.713, 111.613

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 10.468, 113.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 27.713, 111.613 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(165, 170, 119)` looks like.

```
.text, #text, p{  
    color:rgb(165, 170, 119)  
}
```

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(165, 170, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 170, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 27.713, 111.613 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(165, 170, 119) }
```

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

```
.border{ border-color:rgb(165, 170, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 170, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 170, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 170, 119);  
box-shadow:4px 4px 4px 4px rgb(165, 170,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 27.713, 111.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 170, 119) }
```

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

```
.background{ background-color: rgb(165,  
170, 119) }
```

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