

Converting Colors

CIELCh(68, 27.834, 106.786)

Have a look what the booklet for
CIELCh(68, 27.834, 106.786)
contains.

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Color

CIELCh(68, 28.180, 107.253)

Conversions

Conversions Part 1

Format	Color
Hex	A9A975
RGB	169, 169, 117
RGB Percent	66%, 66%, 46%
CMY	0.3382, 0.3382, 0.5421
CMYK	0.00, 0.00, 0.31, 0.34
HSL	60°, 23%, 56%
HSV	60°, 31%, 66%
XYZ	33.6492, 37.9720, 22.3143
YIQ	163.0720, 16.6920, -16.1720

Conversions

Conversions Part 2

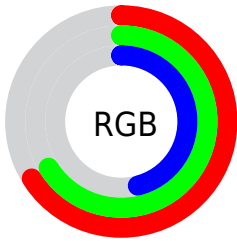
Format	Color
RYB	117, 169, 117
Decimal	11118965
CIELab	68.00, -8.36, 26.91
CIELCh	68, 28.180, 107.253
Yxy	37.9720, 0.3582, 0.4042
Android (android.graphics.Color)	4289309045 (0xFFA9A975)
YUV	163.0720, -22.7135, 5.1989
Hunter-Lab	61.6215, -10.3654, 21.6650

Details

The CIELCh color **68, 28.180, 107.253** is a light color, and the websafe version is hex **999966**. A complement of this color would be **51, 30.340, 293.927**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 27.873, 107.039**, and **48, 28.144, 107.281** is the 20% darker color. If you saturate the color by 10%, you get **68, 36.989, 106.330**, and if you desaturate by 10%, it is **68, 19.141, 108.206**.

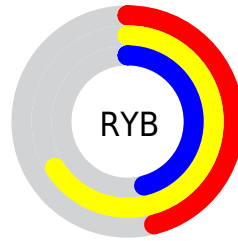
Distribution



Red (66%)

Green (66%)

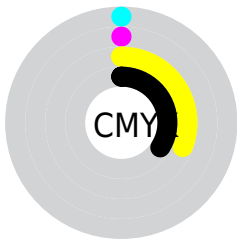
Blue (46%)



Red (46%)

Yellow (66%)

Blue (46%)

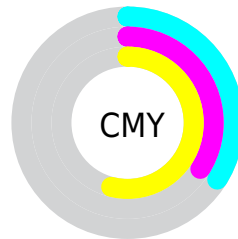


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (34%)



Cyan (34%)


Magenta (34%)

Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 28.180, 107.253 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, 28.180, 107.253 by changing the saturation by 10% instead.

 68, 28.180,
107.253

 68, 28.180,
107.253


 100, 28.180,
107.253


 58, 28.180,
107.253


 88, 28.180,
107.253

 48, 28.180,
107.253

 98, 28.180,
107.253

 38, 28.180,
107.253

 28, 28.180,
107.253

 18, 28.180,
107.253

 8, 28.180, 107.253

 0, 28.180, 107.253

68, 28.180,
107.253

68, 28.180,
107.253

68, 36.989,
106.330

68, 19.141,
108.206

68, 45.406,
105.451

69, 9.971, 109.158

67, 53.194,
104.647

69, 0.738, 110.032

70, 8.514, 291.041

67, 60.015,
103.956

70, 17.756,
291.935

67, 65.453,
103.415

71, 26.967,
292.797

67, 69.116,
103.057

71, 36.133,
293.620

67, 71.136,
102.862

72, 45.240,
294.403

■ 72, 46.970,
294.549

Harmonies

Complementary

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



68, 28.180, 107.253



51, 30.340, 293.927

Rectangle

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



68, 28.180, 107.253



68, 28.180, 157.253



68, 28.180, 287.253



68, 28.180, 337.253

Sweetspot

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



68, 28.181, 107.257



87, 10.278, 109.313



54, 22.055, 21.949



46, 7.130, 109.181



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



68, 28.181, 107.257



86, 41.644, 106.618



66, 30.264, 127.658



36, 5.211, 109.302



59, 64.564, 102.862



6, 9.557, 110.185

Inverse Universe

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



51, 30.340, 293.927



61, 45.755, 295.039



53, 31.576, 310.546



32, 5.323, 291.128



16, 89.150, 306.288



0, 9.559, 290.183

Previews

White Background



This preview shows how the CIELCh color 68, 28.180, 107.253 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, 28.180, 107.253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

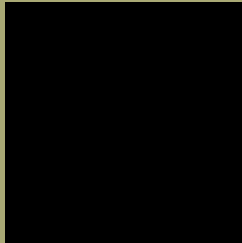
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 28.180, 107.253

Background



This preview shows how black text looks on a background with the CIELCh color 68, 28.180, 107.253.



This preview shows how white text looks on a background with the CIELCh color 68, 28.180, 107.253.

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
68, 28.180, 107.253

Protanopia
68, 28.297, 96.047

Deuteranopia
68, 27.571, 71.805



Tritanopia
68, 9.157, 328.773

Trichromacy



Original Color
68, 28.180, 107.253

Protanomaly
68, 27.913, 100.345

Deuteranomaly
68, 26.724, 85.164

Tritanomaly
68, 6.985, 79.156

Monochromacy



Original Color
68, 28.180, 107.253

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 10.429, 109.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 28.180, 107.253 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(169, 169, 117)` looks like.

```
.text, #text, p{  
    color:rgb(169, 169, 117)  
}
```

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(169, 169, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 169, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 28.180, 107.253 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(169, 169, 117) }
```

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

```
.border{ border-color:rgb(169, 169, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 169, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 169, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 169, 117);  
box-shadow:4px 4px 4px 4px rgb(169, 169,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 28.180, 107.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 169, 117) }
```

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

```
.background{ background-color: rgb(169,  
169, 117) }
```

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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