

Converting Colors

CIELCh(68, 14.609, 108.655)

Have a look what the booklet for
CIELCh(68, 14.609, 108.655)
contains.

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Color

CIELCh(68, 14.227, 108.699)

Conversions

Conversions Part 1

Format	Color
Hex	A7A78D
RGB	167, 167, 141
RGB Percent	65%, 65%, 55%
CMY	0.3436, 0.3436, 0.4456
CMYK	0.00, 0.00, 0.16, 0.34
HSL	60°, 13%, 61%
HSV	60°, 16%, 66%
XYZ	34.7444, 37.9720, 30.8444
YIQ	164.0360, 8.3460, -8.0860

Conversions

Conversions Part 2

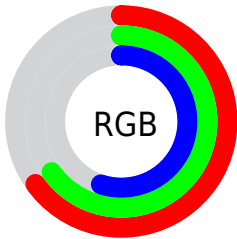
Format	Color
R _{YB}	141, 167, 141
Decimal	10987405
CIE Lab	68.00, -4.56, 13.48
CIE LCh	68, 14.227, 108.699
Yxy	37.9720, 0.3355, 0.3667
Android (android.graphics.Color)	4289177485 (0xFFA7A78D)
YUV	164.0360, -11.3567, 2.5994
Hunter-Lab	61.6215, -7.1927, 13.4577

Details

The CIELCh color **68, 14.227, 108.699** is a light color, and the websafe version is hex **999999**. A complement of this color would be **60, 14.734, 291.838**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 14.021, 109.001**, and **48, 14.030, 108.262** is the 20% darker color. If you saturate the color by 10%, you get **68, 23.287, 107.752**, and if you desaturate by 10%, it is **68, 5.080, 109.649**.

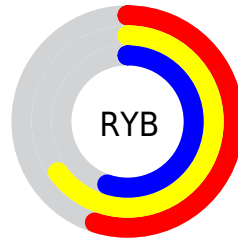
Distribution



Red (65%)

Green (65%)

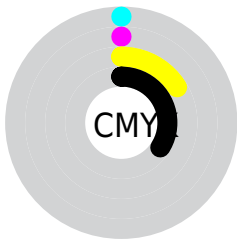
Blue (55%)



Red (55%)

Yellow (65%)

Blue (55%)

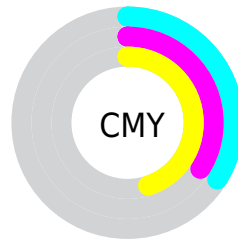


Cyan (0%)

Magenta (0%)

Yellow (16%)

Black (34%)



Cyan (34%)

Magenta (34%)

Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 14.227, 108.699 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, 14.227, 108.699 by changing the saturation by 10% instead.

 68, 14.227,
108.699

 68, 14.227,
108.699

 100, 14.227,
108.699

 58, 14.227,
108.699

 88, 14.227,
108.699

 48, 14.227,
108.699

 98, 14.227,
108.699

 38, 14.227,
108.699

 28, 14.227,
108.699

 18, 14.227,
108.699

 8, 14.227, 108.699

 0, 14.227, 108.699

■ 68, 14.227,
108.699

■ 68, 14.227,
108.699

■ 68, 23.287,
107.752

■ 68, 5.080, 109.649

■ 67, 32.174,
106.812

■ 69, 4.107, 290.609

■ 67, 40.765,
105.905

■ 69, 13.295,
291.511

■ 67, 48.868,
105.057

■ 70, 22.462,
292.389

■ 67, 56.201,
104.302

■ 71, 31.590,
293.230

■ 67, 62.386,
103.676

■ 71, 40.666,
294.033

■ 67, 67.002,
103.218

■ 72, 47.772,
294.635

■ 67, 69.766,

■ 72, 47.772,
294.636

102.948

■ 72, 47.772,
294.636

■ 67, 70.710,
102.856

Harmonies

Complementary

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



68, 14.227, 108.699



60, 14.734, 291.838

Rectangle

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



68, 14.227, 108.699



68, 14.227, 158.699



68, 14.227, 288.699



68, 14.227, 338.699

Sweetspot

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



68, 14.229, 108.705



86, 5.656, 109.690



61, 10.432, 20.407



46, 3.890, 109.628



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, 14.229, 108.705



86, 21.439, 108.343



67, 15.200, 128.387



36, 5.211, 109.298



59, 64.563, 102.856



6, 9.557, 110.180

Inverse Universe

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



60, 14.734, 291.838



73, 22.399, 292.309



61, 15.521, 309.764



32, 5.323, 291.125



16, 89.150, 306.287



0, 9.559, 290.180

Previews

White Background



This preview shows how the CIELCh color 68, 14.227, 108.699 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, 14.227, 108.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

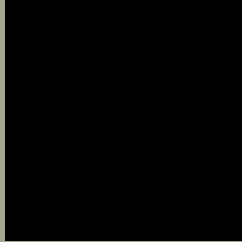
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

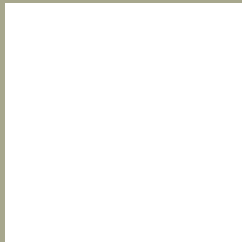
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 14.227, 108.699

Background



This preview shows how black text looks on a background with the CIELCh color 68, 14.227, 108.699.



This preview shows how white text looks on a background with the CIELCh color 68, 14.227, 108.699.

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, 14.227, 108.699

Protanopia

68, 14.172, 93.888

Deuteranopia

68, 15.468, 54.621



Tritanopia
68, 7.457, 317.558

Trichromacy



Original Color
68, 14.227, 108.699

Protanomaly
68, 13.894, 98.753

Deuteranomaly
68, 13.689, 72.719

Tritanomaly
68, 2.193, 49.342

Monochromacy



Original Color
68, 14.227, 108.699

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 4.942, 109.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 14.227, 108.699 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(167, 167, 141)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 141)  
}
```

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(167, 167, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 14.227, 108.699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

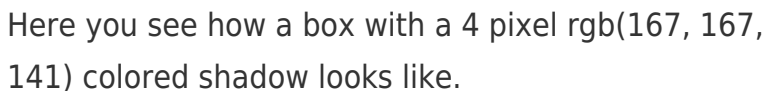
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 167, 141) }
```

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

```
.border{ border-color:rgb(167, 167, 141) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 167, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 167, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 167, 141); box-shadow:4px 4px 4px 4px rgb(167, 167, 141) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 14.227, 108.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 141) }
```

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

```
.background{ background-color: rgb(167,  
167, 141) }
```

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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