

Converting Colors

CIELCh(68, 0.805, 110.136)

Have a look what the booklet for
CIELCh(68, 0.805, 110.136) contains.

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Color

CIELCh(68, 1.091, 110.014)

Conversions

Conversions Part 1

Format	Color
Hex	A6A6A4
RGB	166, 166, 164
RGB Percent	65%, 65%, 64%
CMY	0.3497, 0.3497, 0.3575
CMYK	0.00, 0.00, 0.01, 0.35
HSL	60°, 1%, 65%
HSV	60°, 1%, 65%
XYZ	35.9797, 37.9720, 40.4734
YIQ	165.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

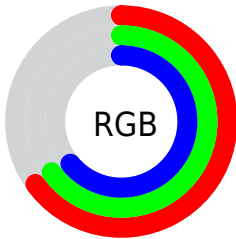
Format	Color
RYB	164, 166, 164
Decimal	10921636
CIELab	68.00, -0.37, 1.03
CIElCh	68, 1.091, 110.014
Yxy	37.9720, 0.3144, 0.3319
Android (android.graphics.Color)	4289111716 (0xFFA6A6A4)
YUV	165.7720, -0.8736, 0.2000
Hunter-Lab	61.6215, -3.6144, 4.1930

Details

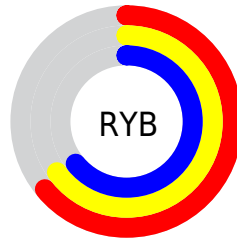
The CIELCh color **68, 1.091, 110.014** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 1.112, 290.400**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 1.032, 110.025**, and **48, 1.171, 109.983** is the 20% darker color. If you saturate the color by 10%, you get **68, 10.193, 109.176**, and if you desaturate by 10%, it is **68, 8.028, 291.054**.

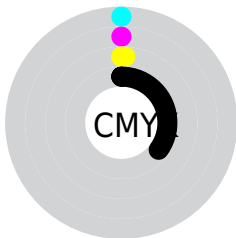
Distribution



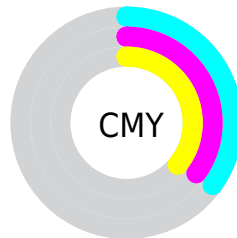
- Red (65%)
- Green (65%)
- Blue (64%)



- Red (64%)
- Yellow (65%)
- Blue (64%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (35%)



- Cyan (35%)
- Magenta (35%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 1.091, 110.014 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, 1.091, 110.014 by changing the saturation by 10% instead.

■ 68, 1.091, 110.014

■ 68, 1.091, 110.014

100, 1.091,
110.014

■ 58, 1.091, 110.014

■ 88, 1.091, 110.014

■ 48, 1.091, 110.014

■ 98, 1.091, 110.014

■ 38, 1.091, 110.014

■ 28, 1.091, 110.014

■ 18, 1.091, 110.014

■ 8, 1.091, 110.014

■ 0, 1.091, 110.014

■ 68, 1.091, 110.014

■ 68, 1.091, 110.014

■ 68, 10.193,

■ 68, 8.028, 291.054

109.176

69, 17.140,
291.946

67, 19.230,
108.227

70, 26.223,
292.806

67, 28.136,
107.282

70, 35.260,
293.628

67, 36.808,
106.360

71, 44.241,
294.409

66, 45.089,
105.486

71, 48.688,
294.787

66, 52.741,
104.689

71, 48.688,
294.796

66, 59.430,
104.005

71, 48.688,
294.804

66, 64.743,
103.473

71, 48.688,
294.813

66, 68.302,
103.126

Harmonies

Complementary

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



68, 1.091, 110.014



67, 1.112, 290.400

Rectangle

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



68, 1.091, 110.014



68, 1.091, 160.014



68, 1.091, 290.014



68, 1.091, 340.014

Sweetspot

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



68, 1.093, 110.074



87, 0.010, 296.813



67, 0.762, 18.848



46, 0.006, 296.813



94, 0.011, 296.813

Same Dimension

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



68, 1.093, 110.074



87, 1.124, 110.082



68, 1.161, 129.106



36, 0.517, 110.084



59, 64.564, 102.943



6, 9.557, 110.260

Inverse Universe

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



67, 1.112, 290.400



86, 1.146, 290.391



67, 1.179, 309.033



35, 0.528, 290.389



16, 89.142, 306.293



0, 9.559, 290.228

Previews

White Background



This preview shows how the CIELCh color 68, 1.091, 110.014 looks on a white background.

Color Contrast Check

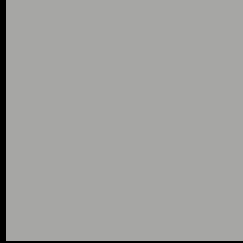
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 1.091, 110.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

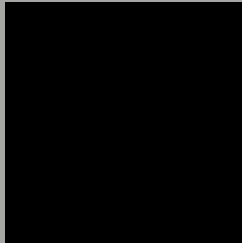
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

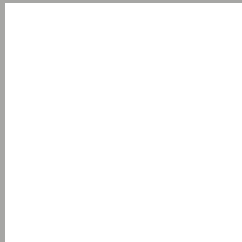
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 1.091, 110.014

Background



This preview shows how black text looks on a background with the CIELCh color 68, 1.091, 110.014.

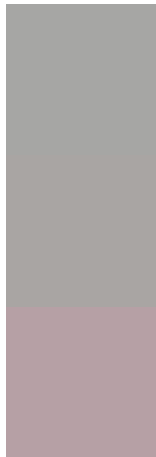


This preview shows how white text looks on a background with the CIELCh color 68, 1.091, 110.014.

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, 1.091, 110.014

Protanopia

68, 1.870, 55.191

Deuteranopia

68, 8.918, 2.298



Tritanopia
68, 7.342, 302.503

Trichromacy



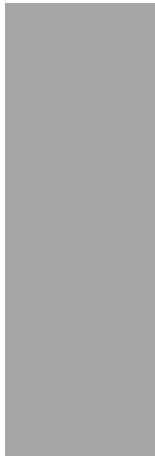
Original Color
68, 1.091, 110.014

Protanomaly
68, 1.574, 63.352

Deuteranomaly
68, 5.624, 2.818

Tritanomaly
68, 3.943, 301.489

Monochromacy



Original Color
68, 1.091, 110.014

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 0.541, 110.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 1.091, 110.014 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(166, 166, 164)` looks like.

```
.text, #text, p{  
    color:rgb(166, 166, 164)  
}
```

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(166, 166, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 166, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 1.091, 110.014 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(166, 166, 164) }
```

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

```
.border{ border-color:rgb(166, 166, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 166, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 166, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 166, 164);  
box-shadow:4px 4px 4px 4px rgb(166, 166,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 1.091, 110.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 166, 164) }
```

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

```
.background{ background-color: rgb(166,  
166, 164) }
```

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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