

Converting Colors

CIELCh(68, 6.614, 85.082)

Have a look what the booklet for
CIELCh(68, 6.614, 85.082) contains.

CIELCh(68, 6.614, 85.082)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 6.614, 85.082)

Conversions

Conversions Part 1

Format	Color
Hex	ACA59A
RGB	172, 165, 154
RGB Percent	67%, 65%, 60%
CMY	0.3258, 0.3532, 0.3964
CMYK	0.00, 0.04, 0.10, 0.33
HSL	37°, 10%, 64%
HSV	37°, 10%, 67%
XYZ	36.2611, 37.9720, 35.9544
YIQ	165.8390, 7.7030, -1.9370

Conversions

Conversions Part 2

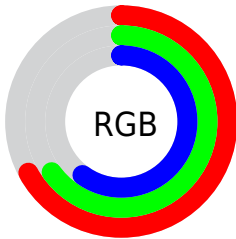
Format	Color
RYB	165, 172, 154
Decimal	11314586
CIELab	68.00, 0.57, 6.59
CIElCh	68, 6.614, 85.082
Yxy	37.9720, 0.3291, 0.3446
Android (android.graphics.Color)	4289504666 (0xFFACA59A)
YUV	165.8390, -5.8366, 5.4032
Hunter-Lab	61.6215, -2.7993, 8.5410

Details

The CIELCh color **68, 6.614, 85.082** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 6.565, 267.861**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 6.737, 87.121**, and **48, 6.571, 82.581** is the 20% darker color. If you saturate the color by 10%, you get **66, 13.125, 83.829**, and if you desaturate by 10%, it is **70, 0.285, 85.501**.

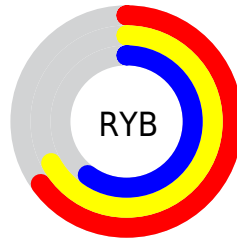
Distribution



Red (67%)

Green (65%)

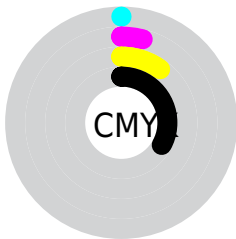
Blue (60%)



Red (65%)

Yellow (67%)

Blue (60%)

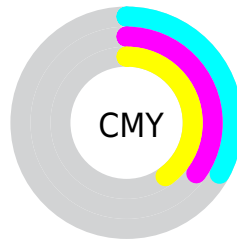


Cyan (0%)

Magenta (4%)

Yellow (10%)

Black (33%)



Cyan (33%)


Magenta (35%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 6.614, 85.082 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, 6.614, 85.082 by changing the saturation by 10% instead.

 68, 6.614, 85.082  68, 6.614, 85.082

 100, 6.614, 85.082  58, 6.614, 85.082

 88, 6.614, 85.082  48, 6.614, 85.082

 98, 6.614, 85.082  38, 6.614, 85.082

 28, 6.614, 85.082

 18, 6.614, 85.082

 8, 6.614, 85.082

 0, 6.614, 85.082

 68, 6.614, 85.082  68, 6.614, 85.082

 66, 13.125, 83.829  70, 0.285, 85.501

64, 19.815, 82.510

72, 5.873, 267.627

62, 26.667, 81.152

75, 11.873,
268.759

60, 33.630, 79.753

77, 17.727,
269.855

58, 40.590, 78.299

56, 47.323, 76.750

79, 23.450,
270.903

54, 53.418, 75.020

82, 28.054,
270.924

52, 58.231, 72.942

51, 61.513, 70.631

83, 25.565,
263.038

85, 23.640,
253.774

87, 22.406,
243.303

Harmonies

Complementary

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



68, 6.614, 85.082



66, 6.565, 267.861

Rectangle

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



68, 6.614, 85.082



68, 6.614, 135.082



68, 6.614, 265.082



68, 6.614, 315.082

Sweetspot

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



68, 6.615, 85.099



88, 2.324, 85.933



65, 8.012, 350.308



47, 1.762, 85.862



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, 6.615, 85.099



86, 10.244, 84.755



70, 9.839, 113.272



36, 3.596, 85.240



44, 55.738, 71.015



4, 6.920, 77.073

Inverse Universe

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



66, 6.565, 267.861



83, 10.134, 268.258



64, 10.074, 295.002



34, 3.574, 267.702



28, 59.124, 292.530



2, 8.104, 272.408

Previews

White Background



This preview shows how the CIELCh color 68, 6.614, 85.082 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, 6.614, 85.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

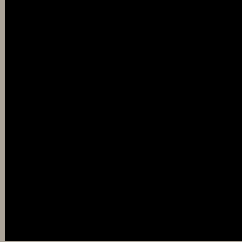
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 6.614, 85.082

Background



This preview shows how black text looks on a background with the CIELCh color 68, 6.614, 85.082.

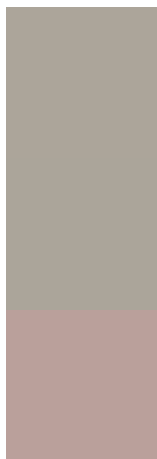


This preview shows how white text looks on a background with the CIELCh color 68, 6.614, 85.082.

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, 6.614, 85.082

Protanopia

68, 6.462, 88.267

Deuteranopia

68, 10.655, 35.092



Tritanopia
68, 8.704, 324.816

Trichromacy



Original Color
68, 6.614, 85.082

Protanomaly
68, 6.462, 88.267

Deuteranomaly
68, 8.415, 46.998

Tritanomaly
68, 4.750, 352.187

Monochromacy



Original Color
68, 6.614, 85.082

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 2.312, 90.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 6.614, 85.082 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(172, 165, 154)` looks like.

```
.text, #text, p{  
    color:rgb(172, 165, 154)  
}
```

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(172, 165, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 165, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 6.614, 85.082 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(172, 165, 154) }
```

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

```
.border{ border-color:rgb(172, 165, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 165, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 165, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 165, 154);  
box-shadow:4px 4px 4px 4px rgb(172, 165,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 6.614, 85.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 165, 154) }
```

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

```
.background{ background-color: rgb(172,  
165, 154) }
```

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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