

Converting Colors

CIELCh(68, 5.615, 318.184)

Have a look what the booklet for
CIELCh(68, 5.615, 318.184) contains.

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Color

CIELCh(68, 4.978, 317.454)

Conversions

Conversions Part 1

Format	Color
Hex	AAA4AC
RGB	170, 164, 172
RGB Percent	67%, 64%, 67%
CMY	0.3341, 0.3576, 0.3263
CMYK	0.01, 0.05, 0.00, 0.33
HSL	285°, 5%, 66%
HSV	285°, 5%, 67%
XYZ	37.1992, 37.9720, 44.2954
YIQ	166.7060, 1.0080, 3.7600

Conversions

Conversions Part 2

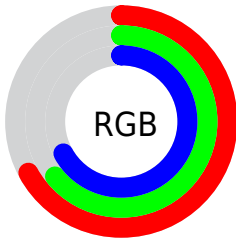
Format	Color
RYB	170, 164, 172
Decimal	11183276
CIELab	68.00, 3.67, -3.37
CIELCh	68, 4.978, 317.454
Yxy	37.9720, 0.3114, 0.3178
Android (android.graphics.Color)	4289373356 (0xFFAAA4AC)
YUV	166.7060, 2.6099, 2.8888
Hunter-Lab	61.6215, -0.0821, 0.5155

Details

The CIELCh color **68, 4.978, 317.454** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 4.948, 137.131**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 4.723, 317.399**, and **48, 5.323, 317.539** is the 20% darker color. If you saturate the color by 10%, you get **63, 15.810, 317.901**, and if you desaturate by 10%, it is **73, 5.630, 137.108**.

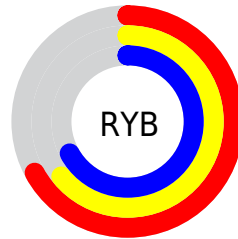
Distribution



Red (67%)

Green (64%)

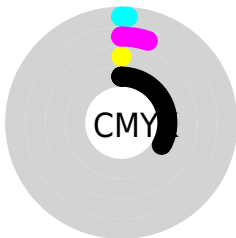
Blue (67%)



Red (67%)

Yellow (64%)

Blue (67%)

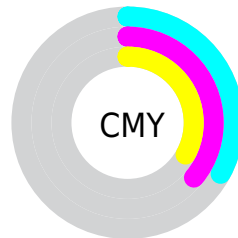


Cyan (1%)

Magenta (5%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 4.978, 317.454 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, 4.978, 317.454 by changing the saturation by 10% instead.

■ 68, 4.978, 317.454

■ 68, 4.978, 317.454

■ 100, 4.978,
317.454

■ 58, 4.978, 317.454

■ 88, 4.978, 317.454

■ 48, 4.978, 317.454

■ 98, 4.978, 317.454

■ 38, 4.978, 317.454

■ 28, 4.978, 317.454

■ 18, 4.978, 317.454

■ 8, 4.978, 317.454

■ 0, 4.978, 317.454

■ 68, 4.978, 317.454

■ 68, 4.978, 317.454

■ 63, 15.810,

■ 73, 5.630, 137.108

317.901

78, 15.967,
136.703

58, 26.794,
318.338

83, 26.016,
136.341

54, 37.800,
318.764

88, 35.771,
136.009

49, 48.628,
319.158

93, 45.238,
135.706

45, 58.981,
319.490

94, 47.580,
134.566

42, 68.452,
319.719

95, 46.850,
132.982

38, 76.544,
319.796

95, 46.151,
131.327

36, 82.741,
319.667

95, 45.489,
129.600

34, 86.680,
319.286

Harmonies

Complementary

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



68, 4.978, 317.454



70, 4.948, 137.131

Rectangle

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



68, 4.978, 317.454



68, 4.978, 7.454



68, 4.978, 137.454



68, 4.978, 187.454

Sweetspot

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



68, 4.976, 317.451



89, 1.331, 317.176



68, 3.317, 276.702



47, 0.756, 317.164



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, 4.976, 317.451



86, 7.981, 317.521



68, 4.556, 331.950



35, 4.276, 317.540



29, 80.021, 319.121



2, 12.547, 314.680

Inverse Universe

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



68, 3.250, 359.800



86, 5.224, 359.970



69, 4.537, 151.488



35, 2.800, 0.016



31, 60.344, 24.460



2, 8.167, 2.944

Previews

White Background



This preview shows how the CIELCh color 68, 4.978, 317.454 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, 4.978, 317.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

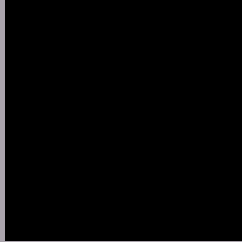
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

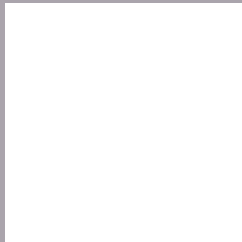
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 4.978, 317.454

Background



This preview shows how black text looks on a background with the CIELCh color 68, 4.978, 317.454.



This preview shows how white text looks on a background with the CIELCh color 68, 4.978, 317.454.

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, 4.978, 317.454

Protanopia

68, 3.943, 301.489

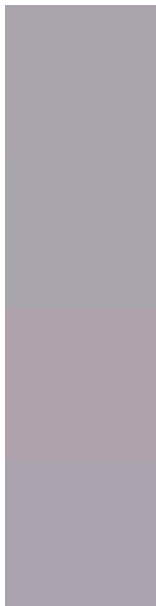
Deuteranopia

68, 9.145, 338.825



Tritanopia
68, 7.662, 310.698

Trichromacy



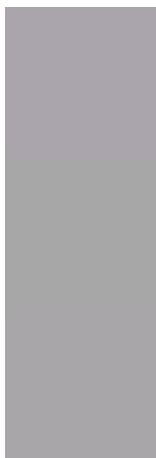
Original Color
68, 4.978, 317.454

Protanomaly
68, 4.035, 306.703

Deuteranomaly
68, 7.666, 334.202

Tritanomaly
68, 6.639, 313.920

Monochromacy



Original Color
68, 4.978, 317.454

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.830, 314.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 4.978, 317.454 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(170, 164, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 164, 172)  
}
```

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(170, 164, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 164, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 4.978, 317.454 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(170, 164, 172) }
```

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

```
.border{ border-color:rgb(170, 164, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 164, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 164, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 164, 172);  
box-shadow:4px 4px 4px 4px rgb(170, 164,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 4.978, 317.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 164, 172) }
```

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

```
.background{ background-color: rgb(170,  
164, 172) }
```

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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