

Converting Colors

CIELCh(68, 4.726, 332.707)

Have a look what the booklet for
CIELCh(68, 4.726, 332.707) contains.

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Color

CIELCh(68, 5.170, 331.587)

Conversions

Conversions Part 1

Format	Color
Hex	ACA3AA
RGB	172, 163, 170
RGB Percent	67%, 64%, 67%
CMY	0.3247, 0.3600, 0.3325
CMYK	0.00, 0.05, 0.01, 0.32
HSL	313°, 5%, 66%
HSV	313°, 5%, 68%
XYZ	37.4682, 37.9720, 43.4879
YIQ	166.4890, 3.1170, 4.0850

Conversions

Conversions Part 2

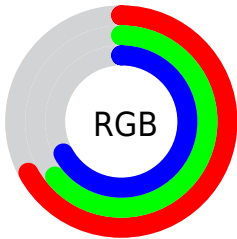
Format	Color
RYB	172, 163, 170
Decimal	11314090
CIELab	68.00, 4.55, -2.46
CIElCh	68, 5.170, 331.587
Yxy	37.9720, 0.3150, 0.3193
Android (android.graphics.Color)	4289504170 (0xFFACA3AA)
YUV	166.4890, 1.7309, 4.8331
Hunter-Lab	61.6215, 0.6974, 1.2925

Details

The CIELCh color **68, 5.170, 331.587** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 5.148, 151.045**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 4.906, 331.496**, and **48, 5.528, 331.729** is the 20% darker color. If you saturate the color by 10%, you get **63, 15.152, 332.263**, and if you desaturate by 10%, it is **73, 4.660, 151.095**.

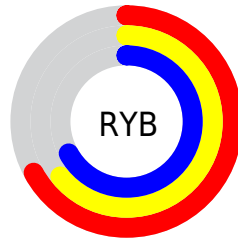
Distribution



Red (67%)

Green (64%)

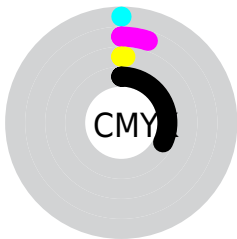
Blue (67%)



Red (67%)

Yellow (64%)

Blue (67%)

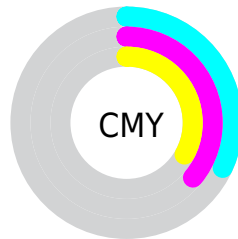


Cyan (0%)

Magenta (5%)

Yellow (1%)

Black (32%)



Cyan (32%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 5.170, 331.587 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, 5.170, 331.587 by changing the saturation by 10% instead.

68, 5.170, 331.587

68, 5.170, 331.587

100, 5.170,
331.587

58, 5.170, 331.587

88, 5.170, 331.587

48, 5.170, 331.587

98, 5.170, 331.587

38, 5.170, 331.587

28, 5.170, 331.587

18, 5.170, 331.587

8, 5.170, 331.587

0, 5.170, 331.587

68, 5.170, 331.587

68, 5.170, 331.587

63, 15.152,

73, 4.660, 151.095

332.263

77, 14.259,
150.474

59, 25.174,
332.936

82, 23.593,
149.914

55, 35.048,
333.632

87, 32.646,
149.388

51, 44.507,
334.357

92, 41.418,
148.892

47, 53.199,
335.117

94, 43.237,
149.829

44, 60.695,
335.924

94, 41.740,
151.554

42, 66.551,
336.801

94, 40.272,
153.398

40, 70.409,
337.781

94, 38.836,
155.371

39, 72.146,
338.906

Harmonies

Complementary

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



68, 5.170, 331.587



70, 5.148, 151.045

Rectangle

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



68, 5.170, 331.587



68, 5.170, 21.587



68, 5.170, 151.587



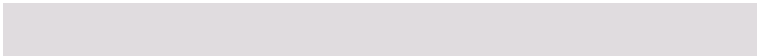
68, 5.170, 201.587

Sweetspot

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



68, 5.168, 331.589



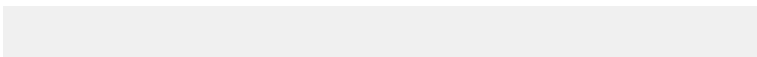
88, 2.451, 331.306



67, 5.035, 298.976



47, 1.392, 331.291



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, 5.168, 331.589



86, 7.363, 331.652



68, 3.720, 357.488



35, 3.944, 331.681



34, 65.844, 339.322



2, 11.210, 334.274

Inverse Universe

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



68, 5.168, 331.589



86, 7.363, 331.652



70, 3.657, 176.775



35, 3.944, 331.681



34, 65.844, 339.322



2, 11.210, 334.274

Previews

White Background



This preview shows how the CIELCh color 68, 5.170, 331.587 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, 5.170, 331.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

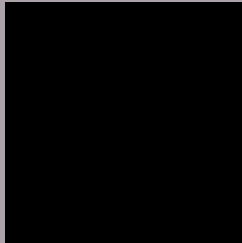
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

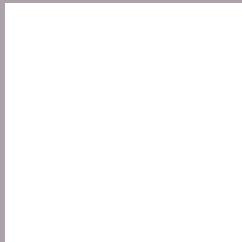
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 5.170, 331.587

Background



This preview shows how black text looks on a background with the CIELCh color 68, 5.170, 331.587.



This preview shows how white text looks on a background with the CIELCh color 68, 5.170, 331.587.

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, 5.170, 331.587

Protanopia

68, 3.404, 303.219

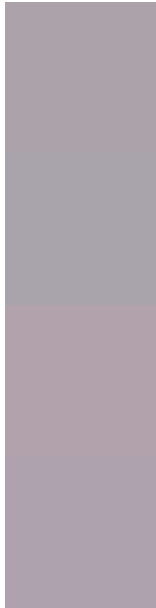
Deuteranopia

68, 8.798, 341.523



Tritanopia
68, 8.305, 320.485

Trichromacy



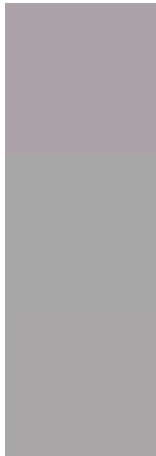
Original Color
68, 5.170, 331.587

Protanomaly
68, 4.316, 316.314

Deuteranomaly
68, 7.566, 339.218

Tritanomaly
68, 7.376, 324.753

Monochromacy



Original Color
68, 5.170, 331.587

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.595, 335.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 5.170, 331.587 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, 163, 170)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 170)  
}
```

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, 163, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 5.170, 331.587 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, 163, 170) }
```

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

```
.border{ border-color:rgb(172, 163, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 170);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 5.170, 331.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 170) }
```

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

```
.background{ background-color: rgb(172,  
163, 170) }
```

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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