

Converting Colors

CIELCh(69, 2.080, 189.899)

Have a look what the booklet for
CIELCh(69, 2.080, 189.899) contains.

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Color

CIELCh(69, 2.318, 185.727)

Conversions

Conversions Part 1

Format	Color
Hex	A4AAA9
RGB	164, 170, 169
RGB Percent	64%, 67%, 66%
CMY	0.3581, 0.3345, 0.3385
CMYK	0.04, 0.00, 0.01, 0.33
HSL	170°, 3%, 65%
HSV	170°, 4%, 67%
XYZ	36.6939, 39.3444, 43.0425
YIQ	168.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

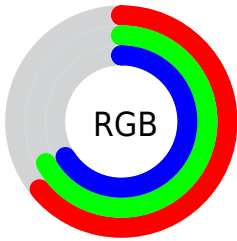
Format	Color
RYB	164, 167, 170
Decimal	10791593
CIELab	69.00, -2.31, -0.23
CIElCh	69, 2.318, 185.727
Yxy	39.3444, 0.3081, 0.3304
Android (android.graphics.Color)	4288981673 (0xFFA4AAA9)
YUV	168.0920, 0.4476, -3.5887
Hunter-Lab	62.7251, -5.3474, 3.2223

Details

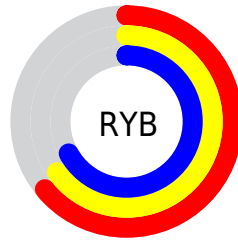
The CIELCh color $69, 2.318, 185.727$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 2.359, 5.906$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 2.201, 185.855$, and $49, 2.474, 185.554$ is the 20% darker color. If you saturate the color by 10%, you get $68, 8.759, 184.693$, and if you desaturate by 10%, it is $70, 4.292, 6.219$.

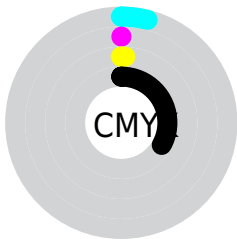
Distribution



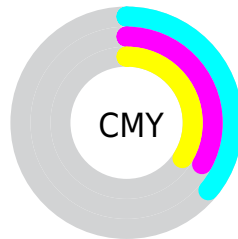
- Red (64%)
- Green (67%)
- Blue (66%)



- Red (64%)
- Yellow (65%)
- Blue (67%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)



- Cyan (36%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 2.318, 185.727 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 69, 2.318, 185.727 by changing the saturation by 10% instead.

■ 69, 2.318, 185.727

■ 69, 2.318, 185.727

■ 100, 2.318,
185.727

■ 59, 2.318, 185.727

■ 89, 2.318, 185.727

■ 49, 2.318, 185.727

■ 99, 2.318, 185.727

■ 39, 2.318, 185.727

■ 29, 2.318, 185.727

■ 19, 2.318, 185.727

■ 9, 2.318, 185.727

■ 0, 2.318, 185.727

■ 69, 2.318, 185.727

■ 69, 2.318, 185.727

■ 68, 8.759, 184.693

■ 70, 4.292, 6.219

67, 14.938,
183.779

72, 10.998, 7.087

65, 20.753,
182.834

74, 17.738, 7.882

65, 26.099,
181.839

75, 24.462, 8.647

64, 30.869,
180.776

78, 33.750, 8.104

63, 34.974,
179.627

78, 33.958, 5.606

63, 38.351,
178.371

78, 34.235, 3.147

62, 40.977,
176.986

78, 34.580, 0.735

62, 42.888,
175.455

Harmonies

Complementary

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



69, 2.318, 185.727



68, 2.359, 5.906

Rectangle

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



69, 2.318, 185.727



69, 2.318, 235.727



69, 2.318, 5.727



69, 2.318, 55.727

Sweetspot

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



69, 2.319, 185.696



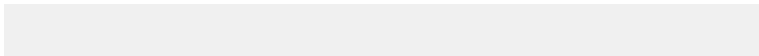
88, 0.816, 186.398



69, 3.791, 139.201



47, 0.467, 186.442



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



69, 2.319, 185.696



88, 3.261, 185.625



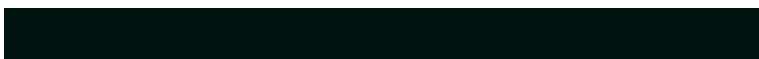
69, 1.843, 234.129



35, 1.842, 185.556



55, 39.589, 174.635



5, 6.930, 181.648

Inverse Universe

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



68, 2.359, 5.906



86, 3.323, 5.980



68, 1.869, 53.139



34, 1.880, 6.051



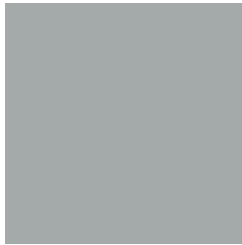
30, 62.675, 30.812



1, 6.732, 7.627

Previews

White Background



This preview shows how the CIE LCh color 69, 2.318, 185.727 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 69, 2.318, 185.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

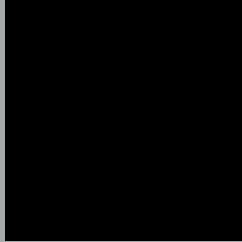
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

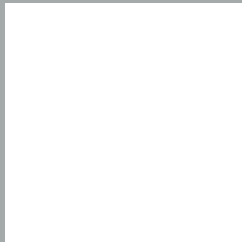
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 2.318, 185.727

Background



This preview shows how black text looks on a background with the CIELCh color 69, 2.318, 185.727.



This preview shows how white text looks on a background with the CIELCh color 69, 2.318, 185.727.

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

69, 2.318, 185.727

Protanopia

69, 1.519, 19.221

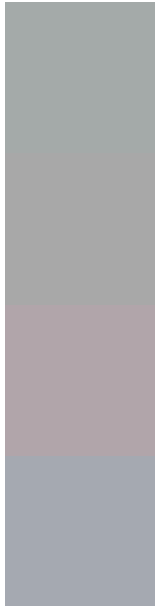
Deuteranopia

69, 8.906, 354.720



Tritanopia
69, 7.167, 285.068

Trichromacy



Original Color

69, 2.318, 185.727

Protanomaly

69, 0.009, 296.813

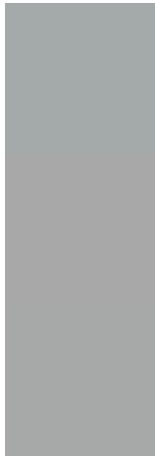
Deuteranomaly

69, 5.339, 348.918

Tritanomaly

69, 4.609, 272.027

Monochromacy



Original Color

69, 2.318, 185.727

Achromatopsia

69, 0.009, 296.813

Achromatomaly

69, 1.257, 173.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 2.318, 185.727 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(164, 170, 169)` looks like.

```
.text, #text, p{  
    color:rgb(164, 170, 169)  
}
```

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(164, 170, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 170, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 2.318, 185.727 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(164, 170, 169) }
```

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

```
.border{ border-color:rgb(164, 170, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 170, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 170, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 170, 169);  
box-shadow:4px 4px 4px 4px rgb(164, 170,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 2.318, 185.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 170, 169) }
```

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

```
.background{ background-color: rgb(164,  
170, 169) }
```

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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