

Converting Colors

CIELCh(69, 5.019, 199.538)

Have a look what the booklet for
CIELCh(69, 5.019, 199.538) contains.

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Color

CIELCh(69, 4.804, 199.097)

Conversions

Conversions Part 1

Format	Color
Hex	9EABAB
RGB	158, 171, 171
RGB Percent	62%, 67%, 67%
CMY	0.3803, 0.3293, 0.3293
CMYK	0.08, 0.00, 0.00, 0.33
HSL	180°, 7%, 65%
HSV	180°, 8%, 67%
XYZ	36.0228, 39.3444, 44.2325
YIQ	167.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

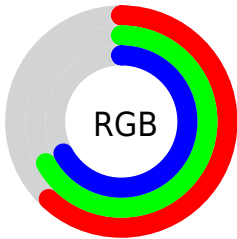
Format	Color
RYB	158, 165, 171
Decimal	10398635
CIELab	69.00, -4.54, -1.57
CIElCh	69, 4.804, 199.097
Yxy	39.3444, 0.3012, 0.3290
Android (android.graphics.Color)	4288588715 (0xFF9EABAB)
YUV	167.1130, 1.9163, -7.9921
Hunter-Lab	62.7251, -7.2571, 2.0974

Details

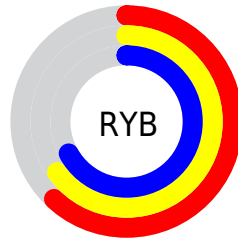
The CIELCh color $69, 4.804, 199.097$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 5.036, 19.758$, and the grayscale version is $69, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 4.579, 199.219$, and $49, 4.712, 198.962$ is the 20% darker color. If you saturate the color by 10%, you get $68, 10.830, 198.514$, and if you desaturate by 10%, it is $70, 1.550, 19.205$.

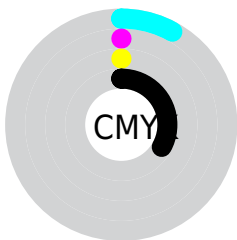
Distribution



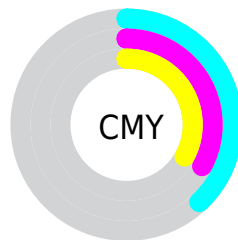
- Red (62%)
- Green (67%)
- Blue (67%)



- Red (62%)
- Yellow (65%)
- Blue (67%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (33%)



- Cyan (38%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 4.804, 199.097 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, 4.804, 199.097 by changing the saturation by 10% instead.

■ 69, 4.804, 199.097

■ 69, 4.804, 199.097

■ 100, 4.804,
199.097

■ 59, 4.804, 199.097

■ 89, 4.804, 199.097

■ 49, 4.804, 199.097

■ 99, 4.804, 199.097

■ 39, 4.804, 199.097

■ 29, 4.804, 199.097

■ 19, 4.804, 199.097

■ 9, 4.804, 199.097

■ 0, 4.804, 199.097

■ 69, 4.804, 199.097

■ 69, 4.804, 199.097

■ 68, 10.830,

■ 70, 1.550, 19.205

198.514

72, 8.146, 20.034

67, 16.429,
198.033

73, 14.908, 20.655

66, 21.500,
197.610

75, 21.772, 21.274

65, 25.946,
197.248

77, 28.687, 21.895

65, 29.685,
196.947

78, 33.332, 22.308

64, 32.656,
196.711

78, 33.331, 22.305

78, 33.331, 22.302

64, 34.837,
196.539

64, 36.249,
196.428

63, 37.006,
196.367

Harmonies

Complementary

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



69, 4.804, 199.097



66, 5.036, 19.758

Rectangle

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



69, 4.804, 199.097



69, 4.804, 249.097



69, 4.804, 19.097



69, 4.804, 69.097

Sweetspot

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



69, 4.805, 199.079



88, 1.581, 199.654



69, 8.679, 143.601



47, 0.906, 199.682



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, 4.805, 199.079



87, 7.003, 198.981



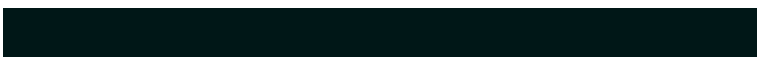
67, 4.228, 254.614



36, 3.603, 198.971



56, 33.813, 196.355



6, 7.801, 199.396

Inverse Universe

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



66, 5.036, 19.758



83, 7.411, 19.880



68, 4.305, 72.622



34, 3.818, 19.892



31, 69.975, 39.438



2, 7.802, 19.391

Previews

White Background



This preview shows how the CIELCh color 69, 4.804, 199.097 looks on a white background.

Color Contrast Check

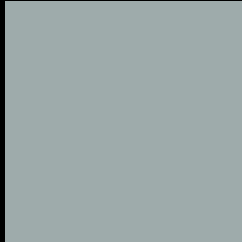
Large Text (above 18pt) WCAG AA × Fail

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, 4.804, 199.097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

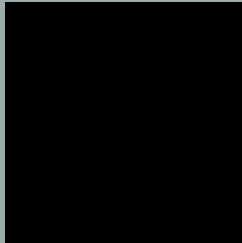
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

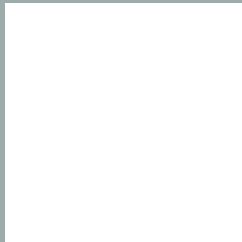
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 4.804, 199.097

Background



This preview shows how black text looks on a background with the CIELCh color 69, 4.804, 199.097.

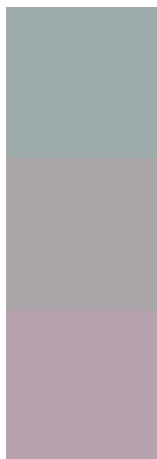


This preview shows how white text looks on a background with the CIELCh color 69, 4.804, 199.097.

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, 4.804, 199.097

Protanopia

69, 1.883, 343.646

Deuteranopia

69, 9.078, 343.065



Tritanopia
69, 8.276, 267.937

Trichromacy



Original Color
69, 4.804, 199.097

Protanomaly
69, 1.326, 255.947

Deuteranomaly
69, 4.247, 328.785

Tritanomaly
69, 6.283, 251.251

Monochromacy



Original Color
69, 4.804, 199.097

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 1.500, 199.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 4.804, 199.097 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(158, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(158, 171, 171)  
}
```

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(158, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 171, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 4.804, 199.097 is called "border". The border property can be set on classes, ids or directly on the HTML element.

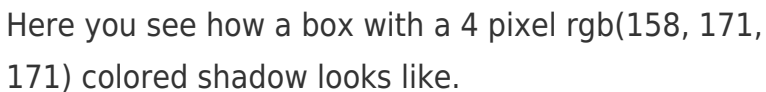
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 171, 171) }
```

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

```
.border{ border-color:rgb(158, 171, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 171, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 171, 171); box-shadow:4px 4px 4px 4px rgb(158, 171, 171) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 4.804, 199.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 171, 171) }
```

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

```
.background{ background-color: rgb(158,  
171, 171) }
```

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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