

Converting Colors

CIELCh(69, 3.567, 199.365)

Have a look what the booklet for
CIELCh(69, 3.567, 199.365) contains.

CIELCh(69, 3.348, 199.264)	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(69, 3.348, 199.264)

Conversions

Conversions Part 1

Format	Color
Hex	A1AAAA
RGB	161, 170, 170
RGB Percent	63%, 67%, 67%
CMY	0.3678, 0.3324, 0.3324
CMYK	0.05, 0.00, 0.00, 0.33
HSL	180°, 5%, 65%
HSV	180°, 5%, 67%
XYZ	36.4362, 39.3444, 43.8153
YIQ	167.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

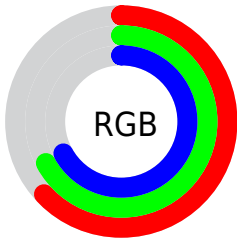
Format	Color
RYB	161, 166, 170
Decimal	10594986
CIELab	69.00, -3.16, -1.10
CIELCh	69, 3.348, 199.264
Yxy	39.3444, 0.3047, 0.3290
Android (android.graphics.Color)	4288785066 (0xFFA1AAAA)
YUV	167.3090, 1.3267, -5.5330
Hunter-Lab	62.7251, -6.0806, 2.4918

Details

The CIELCh color $69, 3.348, 199.264$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 3.460, 19.556$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 3.185, 199.372$, and $49, 3.560, 199.112$ is the 20% darker color. If you saturate the color by 10%, you get $68, 9.436, 198.626$, and if you desaturate by 10%, it is $70, 3.045, 19.483$.

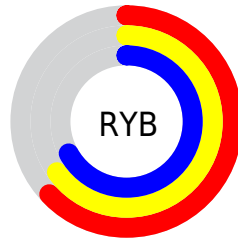
Distribution



Red (63%)

Green (67%)

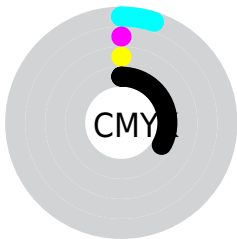
Blue (67%)



Red (63%)

Yellow (65%)

Blue (67%)

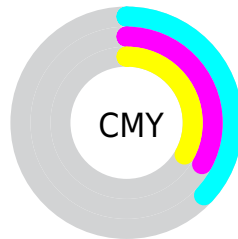


Cyan (5%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (37%)

Magenta (33%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 3.348, 199.264 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, 3.348, 199.264 by changing the saturation by 10% instead.

 69, 3.348, 199.264

 69, 3.348, 199.264

 100, 3.348,
199.264

 59, 3.348, 199.264

 89, 3.348, 199.264

 49, 3.348, 199.264

 99, 3.348, 199.264

 39, 3.348, 199.264

 29, 3.348, 199.264

 19, 3.348, 199.264

 9, 3.348, 199.264

 0, 3.348, 199.264

 69, 3.348, 199.264

 69, 3.348, 199.264

 68, 9.436, 198.626

 70, 3.045, 19.483

67, 15.121,
198.130

72, 9.661, 20.171

66, 20.304,
197.694

73, 16.426, 20.790

65, 24.887,
197.317

75, 23.279, 21.409

64, 28.782,
197.001

78, 33.684, 22.345

64, 31.924,
196.750

78, 33.684, 22.340

64, 34.281,
196.562

78, 33.683, 22.336

63, 35.863,
196.435

78, 33.683, 22.331

63, 36.737,
196.364

Harmonies

Complementary

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



69, 3.348, 199.264



67, 3.460, 19.556

Rectangle

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



69, 3.348, 199.264



69, 3.348, 249.264



69, 3.348, 19.264



69, 3.348, 69.264

Sweetspot

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



69, 3.349, 199.238



88, 1.581, 199.645



69, 6.005, 143.747



47, 0.906, 199.673



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, 3.349, 199.238



87, 4.703, 199.175



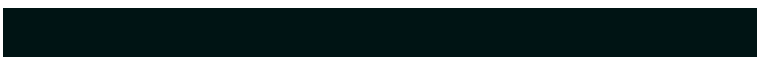
68, 2.936, 254.348



35, 2.478, 199.147



55, 33.395, 196.340



5, 6.572, 199.385

Inverse Universe

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



67, 3.460, 19.556



85, 4.883, 19.627



68, 2.967, 72.860



34, 2.579, 19.660



30, 69.016, 39.347



1, 6.572, 19.383

Previews

White Background



This preview shows how the CIELCh color 69, 3.348, 199.264 looks on a white background.

Color Contrast Check

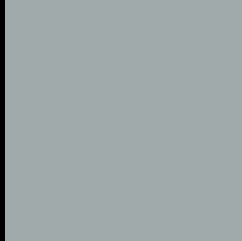
Large Text (above 18pt) WCAG AA × Fail

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, 3.348, 199.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

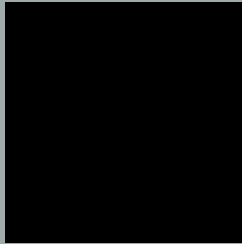
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

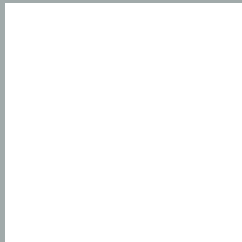
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 3.348, 199.264

Background



This preview shows how black text looks on a background with the CIELCh color 69, 3.348, 199.264.



This preview shows how white text looks on a background with the CIELCh color 69, 3.348, 199.264.

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

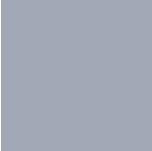
69, 3.348, 199.264

Protanopia

69, 1.883, 343.646

Deuteranopia

69, 9.084, 347.346



Tritanopia
69, 7.869, 277.662

Trichromacy



Original Color

69, 3.348, 199.264

Protanomaly

69, 0.667, 256.045

Deuteranomaly

69, 4.395, 341.090

Tritanomaly

69, 5.521, 263.103

Monochromacy



Original Color

69, 3.348, 199.264

Achromatopsia

69, 0.009, 296.813

Achromatomaly

69, 1.125, 199.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 3.348, 199.264 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(161, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(161, 170, 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(161, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 170, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 3.348, 199.264 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(161, 170, 170) }
```

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

```
.border{ border-color:rgb(161, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(161, 170,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 3.348, 199.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 170, 170) }
```

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

```
.background{ background-color: rgb(161,  
170, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor