

Converting Colors

CIELCh(69, 3.803, 199.210)

Have a look what the booklet for
CIELCh(69, 3.803, 199.210) contains.

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Color

CIELCh(69, 3.715, 199.218)

Conversions

Conversions Part 1

Format	Color
Hex	A0AAAA
RGB	160, 170, 170
RGB Percent	63%, 67%, 67%
CMY	0.3709, 0.3317, 0.3317
CMYK	0.06, 0.00, 0.00, 0.33
HSL	180°, 6%, 65%
HSV	180°, 6%, 67%
XYZ	36.3318, 39.3444, 43.9207
YIQ	167.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

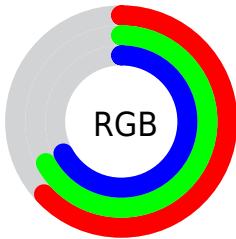
Format	Color
RYB	160, 165, 170
Decimal	10529450
CIELab	69.00, -3.51, -1.22
CIELCh	69, 3.715, 199.218
Yxy	39.3444, 0.3038, 0.3290
Android (android.graphics.Color)	4288719530 (0xFFA0AAAA)
YUV	167.0100, 1.4741, -6.1478
Hunter-Lab	62.7251, -6.3778, 2.3922

Details

The CIELCh color $69, 3.715, 199.218$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 3.853, 19.609$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 3.536, 199.329$, and $49, 3.560, 199.112$ is the 20% darker color. If you saturate the color by 10%, you get $68, 9.788, 198.597$, and if you desaturate by 10%, it is $70, 2.669, 19.429$.

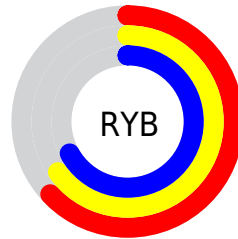
Distribution



Red (63%)

Green (67%)

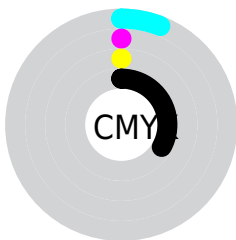
Blue (67%)



Red (63%)

Yellow (65%)

Blue (67%)

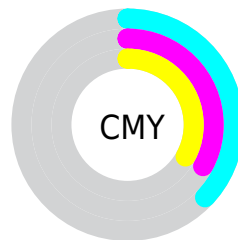


Cyan (6%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (37%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 3.715, 199.218 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, 3.715, 199.218 by changing the saturation by 10% instead.

■ 69, 3.715, 199.218

■ 69, 3.715, 199.218

■ 100, 3.715,
199.218

■ 59, 3.715, 199.218

■ 89, 3.715, 199.218

■ 49, 3.715, 199.218

■ 99, 3.715, 199.218

■ 39, 3.715, 199.218

■ 29, 3.715, 199.218

■ 19, 3.715, 199.218

■ 9, 3.715, 199.218

■ 0, 3.715, 199.218

■ 69, 3.715, 199.218

■ 69, 3.715, 199.218

■ 68, 9.788, 198.597

■ 70, 2.669, 19.429

67, 15.452,
198.105

72, 9.280, 20.137

66, 20.607,
197.673

73, 16.045, 20.756

65, 25.157,
197.299

75, 22.901, 21.375

64, 29.013,
196.987

77, 29.800, 21.997

64, 32.112,
196.740

78, 33.595, 22.336

64, 34.425,
196.556

78, 33.595, 22.332

63, 35.964,
196.433

78, 33.594, 22.328

63, 36.805,
196.365

78, 33.594, 22.324

Harmonies

Complementary

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



69, 3.715, 199.218



67, 3.853, 19.609

Rectangle

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



69, 3.715, 199.218



69, 3.715, 249.218



69, 3.715, 19.218



69, 3.715, 69.218

Sweetspot

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



69, 3.716, 199.195



88, 1.581, 199.648



69, 6.675, 143.710



47, 0.906, 199.675



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, 3.716, 199.195



87, 5.473, 199.105



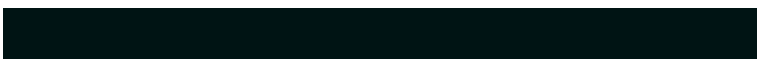
68, 3.261, 254.412



35, 2.825, 199.085



55, 33.394, 196.344



5, 6.572, 199.388

Inverse Universe

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



67, 3.853, 19.609



84, 5.719, 19.713



68, 3.301, 72.802



34, 2.958, 19.737



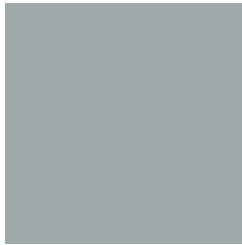
30, 69.016, 39.348



1, 6.572, 19.385

Previews

White Background



This preview shows how the CIELCh color 69, 3.715, 199.218 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, 3.715, 199.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

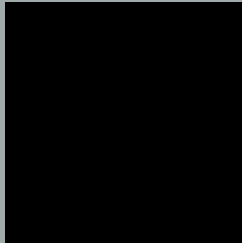
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

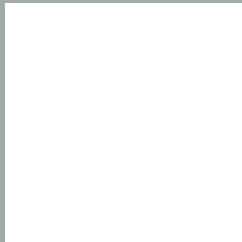
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 3.715, 199.218

Background



This preview shows how black text looks on a background with the CIELCh color 69, 3.715, 199.218.



This preview shows how white text looks on a background with the CIELCh color 69, 3.715, 199.218.

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

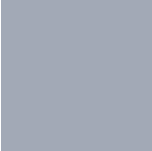
69, 3.715, 199.218

Protanopia

69, 1.883, 343.646

Deuteranopia

69, 9.084, 347.346



Tritanopia
69, 7.524, 271.247

Trichromacy



Original Color
69, 3.715, 199.218

Protanomaly
69, 1.162, 271.521

Deuteranomaly
69, 4.395, 341.090

Tritanomaly
69, 5.429, 253.423

Monochromacy



Original Color
69, 3.715, 199.218

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 1.126, 199.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 3.715, 199.218 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(160, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 170, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 3.715, 199.218 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(160, 170, 170) }
```

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

```
.border{ border-color:rgb(160, 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(160, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(160, 170,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 3.715, 199.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 170, 170) }
```

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

```
.background{ background-color: rgb(160,  
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](#).

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