

Converting Colors

CIELCh(69, 10.632, 109.380)

Have a look what the booklet for
CIELCh(69, 10.632, 109.380)
contains.

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Color

CIELCh(69, 10.918, 109.060)

Conversions

Conversions Part 1

Format	Color
Hex	AAAA96
RGB	170, 170, 150
RGB Percent	67%, 67%, 59%
CMY	0.3345, 0.3345, 0.4129
CMYK	0.00, 0.00, 0.12, 0.33
HSL	60°, 10%, 63%
HSV	60°, 12%, 67%
XYZ	36.3145, 39.3444, 34.4120
YIQ	167.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

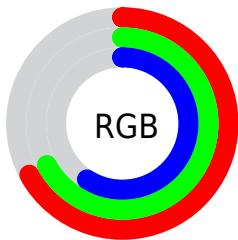
Format	Color
RYB	150, 170, 150
Decimal	11184790
CIELab	69.00, -3.57, 10.32
CIELCh	69, 10.918, 109.060
Yxy	39.3444, 0.3299, 0.3574
Android (android.graphics.Color)	4289374870 (0xFFAAA96)
YUV	167.7200, -8.7360, 1.9996
Hunter-Lab	62.7251, -6.4269, 11.3801

Details

The CIELCh color **69, 10.918, 109.060** is a light color, and the websafe version is hex **999999**. A complement of this color would be **63, 11.214, 291.407**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 10.883, 109.273**, and **49, 11.074, 108.697** is the 20% darker color. If you saturate the color by 10%, you get **69, 20.122, 108.114**, and if you desaturate by 10%, it is **69, 1.648, 109.985**.

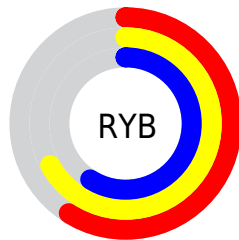
Distribution



Red (67%)

Green (67%)

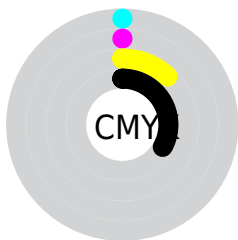
Blue (59%)



Red (59%)

Yellow (67%)

Blue (59%)

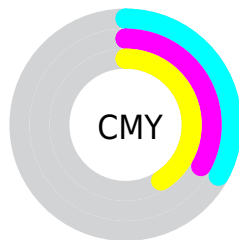


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 10.918, 109.060 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, 10.918, 109.060 by changing the saturation by 10% instead.


 69, 10.918,
109.060


 69, 10.918,
109.060


 100, 10.918,
109.060


 59, 10.918,
109.060


 89, 10.918,
109.060

 49, 10.918,
109.060

 99, 10.918,
109.060

 39, 10.918,
109.060

 29, 10.918,
109.060

 19, 10.918,
109.060

 9, 10.918, 109.060

 0, 10.918, 109.060

69, 10.918,
109.060

69, 10.918,
109.060

69, 20.122,
108.114

69, 1.648, 109.985

68, 29.186,
107.166

70, 7.646, 290.955

68, 38.004,
106.243

70, 16.932,
291.852

68, 46.409,
105.369

71, 26.189,
292.717

68, 54.152,
104.575

72, 35.401,
293.545

68, 60.884,
103.897

72, 44.556,
294.332

67, 66.182,
103.373

72, 46.417,
294.489

67, 69.667,

72, 46.417,
294.490

103.035

■ 72, 46.417,
294.491

■ 67, 71.431,
102.866

Harmonies

Complementary

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



69, 10.918, 109.060



63, 11.214, 291.407

Rectangle

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



69, 10.918, 109.060



69, 10.918, 159.060



69, 10.918, 289.060



69, 10.918, 339.060

Sweetspot

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



69, 10.920, 109.067



88, 4.610, 109.789



64, 7.883, 20.103



47, 3.303, 109.722



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, 10.920, 109.067



88, 16.124, 108.832



68, 11.649, 128.561



36, 5.211, 109.304



59, 64.564, 102.866



6, 9.557, 110.189

Inverse Universe

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



63, 11.214, 291.407



78, 16.649, 291.693



63, 11.839, 309.584



32, 5.324, 291.131



16, 89.149, 306.288



0, 9.559, 290.185

Previews

White Background



This preview shows how the CIELCh color 69, 10.918, 109.060 looks on a white background.

Color Contrast Check

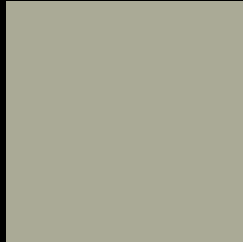
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 69, 10.918, 109.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

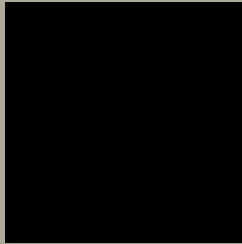
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

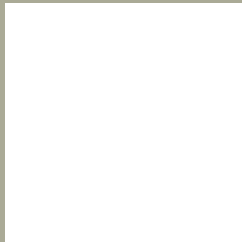
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 10.918, 109.060

Background



This preview shows how black text looks on a background with the CIELCh color 69, 10.918, 109.060.



This preview shows how white text looks on a background with the CIELCh color 69, 10.918, 109.060.

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, 10.918, 109.060

Protanopia

69, 10.852, 92.097

Deuteranopia

69, 13.132, 47.389



Tritanopia
69, 7.773, 313.273

Trichromacy



Original Color
69, 10.918, 109.060

Protanomaly
69, 11.093, 98.775

Deuteranomaly
69, 10.505, 66.400

Tritanomaly
69, 1.982, 3.278

Monochromacy



Original Color
69, 10.918, 109.060

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 3.830, 109.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 10.918, 109.060 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(170, 170, 150)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 150)  
}
```

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(170, 170, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 10.918, 109.060 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(170, 170, 150) }
```

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

```
.border{ border-color:rgb(170, 170, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 150);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 10.918, 109.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 150) }
```

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

```
.background{ background-color: rgb(170,  
170, 150) }
```

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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