

Converting Colors

CIELCh(69, 7.810, 116.287)

Have a look what the booklet for
CIELCh(69, 7.810, 116.287) contains.

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Color

CIELCh(69, 7.748, 118.012)

Conversions

Conversions Part 1

Format	Color
Hex	A7AA9C
RGB	167, 170, 156
RGB Percent	65%, 67%, 61%
CMY	0.3453, 0.3335, 0.3884
CMYK	0.02, 0.00, 0.08, 0.33
HSL	73°, 8%, 64%
HSV	73°, 8%, 67%
XYZ	36.2924, 39.3444, 37.1164
YIQ	167.5070, 2.7060, -4.9900

Conversions

Conversions Part 2

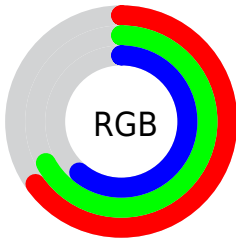
Format	Color
R_{YB}	156, 170, 159
Decimal	10988188
CIE _{Lab}	69.00, -3.64, 6.84
CIE _{LCh}	69, 7.748, 118.012
Yxy	39.3444, 0.3219, 0.3489
Android (android.graphics.Color)	4289178268 (0xFFA7AA9C)
YUV	167.5070, -5.6730, -0.4446
Hunter-Lab	62.7251, -6.4897, 8.8238

Details

The CIELCh color $69, 7.748, 118.012$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 7.890, 299.105$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 7.866, 117.546$, and $49, 7.703, 118.505$ is the 20% darker color. If you saturate the color by 10%, you get $68, 17.129, 117.357$, and if you desaturate by 10%, it is $70, 1.669, 298.653$.

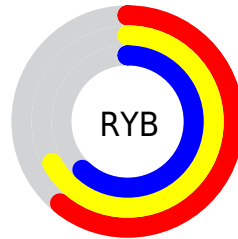
Distribution



Red (65%)

Green (67%)

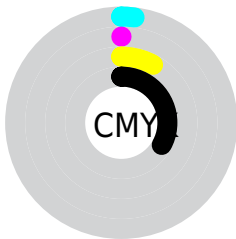
Blue (61%)



Red (61%)

Yellow (67%)

Blue (62%)

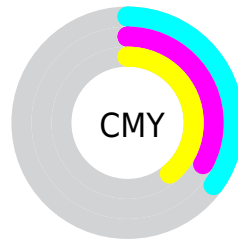


Cyan (2%)

Magenta (0%)

Yellow (8%)

Black (33%)



Cyan (35%)

Magenta (33%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 7.748, 118.012 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, 7.748, 118.012 by changing the saturation by 10% instead.

■ 69, 7.748, 118.012

■ 69, 7.748, 118.012

■ 100, 7.748,
118.012

■ 59, 7.748, 118.012

■ 89, 7.748, 118.012

■ 49, 7.748, 118.012

■ 99, 7.748, 118.012

■ 39, 7.748, 118.012

■ 29, 7.748, 118.012

■ 19, 7.748, 118.012

■ 9, 7.748, 118.012

■ 0, 7.748, 118.012

■ 69, 7.748, 118.012

■ 69, 7.748, 118.012

■ 68, 17.129,

■ 70, 1.669, 298.653

117.357

71, 11.082,
299.279

68, 26.407,
116.692

71, 20.459,
299.867

67, 35.491,
116.046

72, 29.776,
300.420

67, 44.239,
115.447

73, 39.016,
300.938

66, 52.446,
114.944

74, 46.613,
301.583

66, 59.809,
114.598

74, 46.754,
302.988

65, 65.938,
114.495

75, 46.920,
304.398

65, 70.418,
114.726

75, 47.111,
305.810

65, 73.181,
115.313

Harmonies

Complementary

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



69, 7.748, 118.012



65, 7.890, 299.105

Rectangle

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



69, 7.748, 118.012



69, 7.748, 168.012



69, 7.748, 298.012



69, 7.748, 348.012

Sweetspot

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



69, 7.750, 118.019



88, 2.330, 118.428



66, 4.612, 39.217



47, 1.335, 118.435



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, 7.750, 118.019



88, 11.683, 117.892



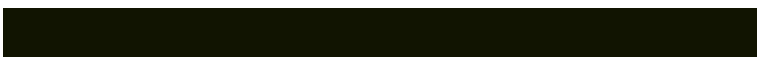
68, 8.579, 135.407



35, 5.281, 117.951



57, 66.430, 115.292



6, 9.754, 120.984

Inverse Universe

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



65, 7.890, 299.105



81, 11.937, 299.247



66, 8.643, 316.053



33, 5.387, 299.181



18, 87.486, 307.512



1, 9.652, 297.397

Previews

White Background



This preview shows how the CIELCh color 69, 7.748, 118.012 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, 7.748, 118.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

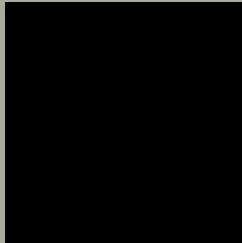
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 7.748, 118.012

Background



This preview shows how black text looks on a background with the CIELCh color 69, 7.748, 118.012.



This preview shows how white text looks on a background with the CIELCh color 69, 7.748, 118.012.

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, 7.748, 118.012

Protanopia

69, 7.475, 91.149

Deuteranopia

69, 11.017, 34.581



Tritanopia
69, 7.864, 301.721

Trichromacy



Original Color
69, 7.748, 118.012

Protanomaly
69, 7.686, 103.569

Deuteranomaly
69, 7.649, 54.616

Tritanomaly
69, 2.339, 309.123

Monochromacy



Original Color
69, 7.748, 118.012

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 2.765, 117.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 7.748, 118.012 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(167, 170, 156)` looks like.

```
.text, #text, p{  
    color:rgb(167, 170, 156)  
}
```

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(167, 170, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 170, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 7.748, 118.012 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(167, 170, 156) }
```

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

```
.border{ border-color:rgb(167, 170, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 170, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 170, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 170, 156);  
box-shadow:4px 4px 4px 4px rgb(167, 170,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 7.748, 118.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 170, 156) }
```

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

```
.background{ background-color: rgb(167,  
170, 156) }
```

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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