

Converting Colors

CIELCh(69, 12.881, 103.440)

Have a look what the booklet for
CIELCh(69, 12.881, 103.440)
contains.

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Color

CIELCh(69, 12.611, 103.459)

Conversions

Conversions Part 1

Format	Color
Hex	ACA992
RGB	172, 169, 146
RGB Percent	67%, 66%, 57%
CMY	0.3246, 0.3363, 0.4265
CMYK	0.00, 0.02, 0.15, 0.32
HSL	53°, 14%, 62%
HSV	53°, 15%, 68%
XYZ	36.5041, 39.3444, 32.9589
YIQ	167.2750, 9.1710, -6.5170

Conversions

Conversions Part 2

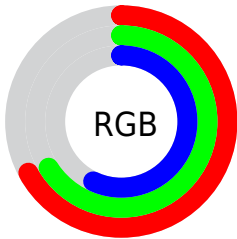
Format	Color
R_{YB}	149, 172, 146
Decimal	11315602
CIE _{Lab}	69.00, -2.94, 12.26
CIE _{LCh}	69, 12.611, 103.459
Yxy	39.3444, 0.3355, 0.3616
Android (android.graphics.Color)	4289505682 (0xFFACA992)
YUV	167.2750, -10.4886, 4.1438
Hunter-Lab	62.7251, -5.8875, 12.7537

Details

The CIELCh color **69, 12.611, 103.459** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 12.934, 286.802**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 12.486, 103.993**, and **49, 12.889, 102.678** is the 20% darker color. If you saturate the color by 10%, you get **68, 20.958, 102.395**, and if you desaturate by 10%, it is **70, 4.250, 104.503**.

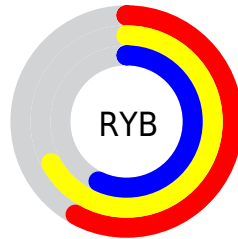
Distribution



Red (67%)

Green (66%)

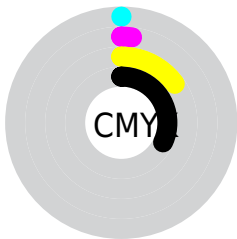
Blue (57%)



Red (58%)

Yellow (67%)

Blue (57%)

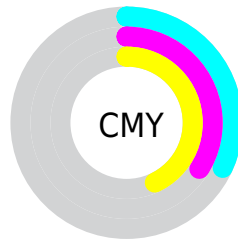


Cyan (0%)

Magenta (2%)

Yellow (15%)

Black (32%)



Cyan (32%)

Magenta (34%)

Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 12.611, 103.459 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, 12.611, 103.459 by changing the saturation by 10% instead.

 69, 12.611,
103.459


 69, 12.611,
103.459

 100, 12.611,
103.459

 59, 12.611,
103.459


 89, 12.611,
103.459

 49, 12.611,
103.459

 99, 12.611,
103.459

 39, 12.611,
103.459

 29, 12.611,
103.459

 19, 12.611,
103.459

 9, 12.611, 103.459

 0, 12.611, 103.459

69, 12.611,
103.459

69, 12.611,
103.459

68, 20.958,
102.395

70, 4.250, 104.503

67, 29.225,
101.311

71, 4.094, 285.576

66, 37.315,
100.228

72, 12.397,
286.548

66, 45.061, 99.161

73, 20.647,
287.493

65, 52.202, 98.124

74, 28.835,
288.397

64, 58.352, 97.134

75, 36.957,
289.258

64, 63.013, 96.197

76, 38.750,
288.735

63, 65.734, 95.305

63, 66.684, 94.879

77, 37.666,
287.538

■ 77, 36.599,
286.276

Harmonies

Complementary

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



69, 12.611, 103.459



62, 12.934, 286.802

Rectangle

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



69, 12.611, 103.459



69, 12.611, 153.459



69, 12.611, 283.459



69, 12.611, 333.459

Sweetspot

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



69, 12.612, 103.466



89, 5.168, 104.504



63, 10.415, 11.101



47, 3.522, 104.437



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, 12.612, 103.466



87, 18.648, 103.123



69, 14.737, 124.143



36, 4.751, 104.074



55, 60.413, 94.974



6, 9.561, 102.525

Inverse Universe

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



62, 12.934, 286.802



77, 19.226, 287.228



62, 15.115, 305.686



34, 4.830, 286.090



18, 84.303, 304.370



1, 10.297, 286.093

Previews

White Background



This preview shows how the CIELCh color 69, 12.611, 103.459 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, 12.611, 103.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

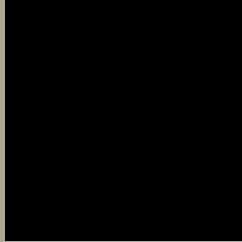
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

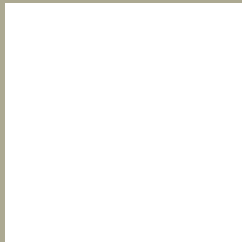
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 12.611, 103.459

Background



This preview shows how black text looks on a background with the CIELCh color 69, 12.611, 103.459.



This preview shows how white text looks on a background with the CIELCh color 69, 12.611, 103.459.

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, 12.611, 103.459

Protanopia

69, 12.543, 92.275

Deuteranopia

69, 14.394, 52.201



Tritanopia
69, 8.471, 322.692

Trichromacy



Original Color
69, 12.611, 103.459

Protanomaly
69, 12.337, 95.856

Deuteranomaly
69, 12.747, 70.069

Tritanomaly
69, 3.099, 29.672

Monochromacy



Original Color
69, 12.611, 103.459

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 4.437, 99.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 12.611, 103.459 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(172, 169, 146)` looks like.

```
.text, #text, p{  
    color:rgb(172, 169, 146)  
}
```

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(172, 169, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 169, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 12.611, 103.459 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(172, 169, 146) }
```

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

```
.border{ border-color:rgb(172, 169, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 169, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 169, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 169, 146);  
box-shadow:4px 4px 4px 4px rgb(172, 169,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 12.611, 103.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 169, 146) }
```

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

```
.background{ background-color: rgb(172,  
169, 146) }
```

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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