

Converting Colors

CIELCh(69, 7.104, 101.586)

Have a look what the booklet for
CIELCh(69, 7.104, 101.586) contains.

CIELCh(69, 7.142, 103.193)	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, 7.142, 103.193)

Conversions

Conversions Part 1

Format	Color
Hex	ABA99C
RGB	171, 169, 156
RGB Percent	67%, 66%, 61%
CMY	0.3301, 0.3379, 0.3889
CMYK	0.00, 0.01, 0.09, 0.33
HSL	52°, 8%, 64%
HSV	52°, 9%, 67%
XYZ	36.8988, 39.3444, 37.0263
YIQ	168.1160, 5.3650, -3.6190

Conversions

Conversions Part 2

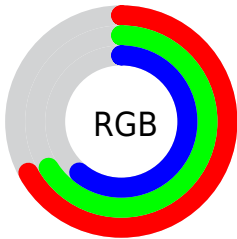
Format	Color
RYB	158, 171, 156
Decimal	11250076
CIELab	69.00, -1.63, 6.95
CIElCh	69, 7.142, 103.193
Yxy	39.3444, 0.3258, 0.3474
Android (android.graphics.Color)	4289440156 (0xFFABA99C)
YUV	168.1160, -5.9732, 2.5293
Hunter-Lab	62.7251, -4.7643, 8.9090

Details

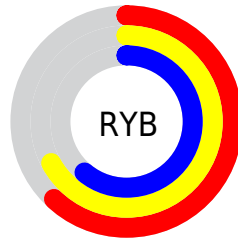
The CIELCh color **69, 7.142, 103.193** is a light color, and the websafe version is hex **999999**. A complement of this color would be **65, 7.249, 285.133**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 7.292, 103.791**, and **49, 7.056, 102.406** is the 20% darker color. If you saturate the color by 10%, you get **68, 15.306, 102.134**, and if you desaturate by 10%, it is **70, 1.001, 284.379**.

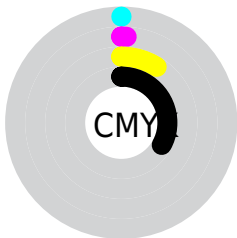
Distribution



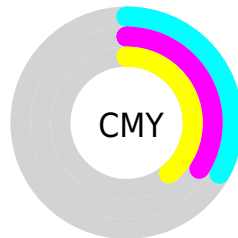
- Red (67%)
- Green (66%)
- Blue (61%)



- Red (62%)
- Yellow (67%)
- Blue (61%)



- Cyan (0%)
- Magenta (1%)
- Yellow (9%)
- Black (33%)



- Cyan (33%)
- Magenta (34%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 7.142, 103.193 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, 7.142, 103.193 by changing the saturation by 10% instead.

■ 69, 7.142, 103.193

■ 69, 7.142, 103.193

■ 100, 7.142,
103.193

■ 59, 7.142, 103.193

■ 89, 7.142, 103.193

■ 49, 7.142, 103.193

■ 99, 7.142, 103.193

■ 39, 7.142, 103.193

■ 29, 7.142, 103.193

■ 19, 7.142, 103.193

■ 9, 7.142, 103.193

■ 0, 7.142, 103.193

■ 69, 7.142, 103.193

■ 69, 7.142, 103.193

■ 68, 15.306,

■ 70, 1.001, 284.379

102.134

71, 9.105, 285.297

67, 23.445,
101.037

72, 17.154,
286.267

66, 31.493, 99.928

73, 25.140,
287.198

65, 39.333, 98.820

75, 33.060,
288.085

64, 46.777, 97.725

64, 53.526, 96.656

76, 39.143,
288.509

63, 59.150, 95.620

76, 37.905,
287.138

62, 63.128, 94.614

62, 65.326, 93.619

77, 36.689,
285.682

78, 35.498,
284.134

Harmonies

Complementary

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



69, 7.142, 103.193



65, 7.249, 285.133

Rectangle

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



69, 7.142, 103.193



69, 7.142, 153.193



69, 7.142, 283.193



69, 7.142, 333.193

Sweetspot

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



69, 7.143, 103.205



88, 3.009, 103.782



66, 5.919, 9.140



47, 2.302, 103.707



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, 7.143, 103.205



87, 11.078, 102.950



69, 8.482, 123.847



35, 4.550, 103.153



54, 59.035, 93.621



5, 7.919, 101.636

Inverse Universe

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



65, 7.249, 285.133



81, 11.278, 285.422



65, 8.619, 304.732



33, 4.620, 285.191



18, 81.995, 303.930



1, 8.487, 285.089

Previews

White Background



This preview shows how the CIELCh color 69, 7.142, 103.193 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, 7.142, 103.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

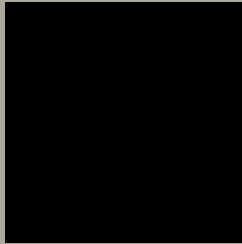
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

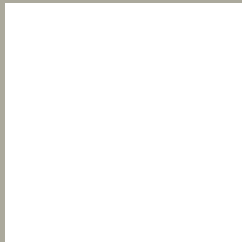
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 7.142, 103.193

Background



This preview shows how black text looks on a background with the CIELCh color 69, 7.142, 103.193.



This preview shows how white text looks on a background with the CIELCh color 69, 7.142, 103.193.

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, 7.142, 103.193

Protanopia

69, 7.475, 91.149

Deuteranopia

69, 11.017, 34.581



Tritanopia
69, 8.432, 314.199

Trichromacy



Original Color
69, 7.142, 103.193

Protanomaly
69, 7.363, 94.059

Deuteranomaly
69, 8.039, 48.280

Tritanomaly
69, 3.835, 333.903

Monochromacy



Original Color
69, 7.142, 103.193

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 2.214, 100.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 7.142, 103.193 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(171, 169, 156)` looks like.

```
.text, #text, p{  
    color:rgb(171, 169, 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(171, 169, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 169, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 7.142, 103.193 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(171, 169, 156) }
```

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

```
.border{ border-color:rgb(171, 169, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 169, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 169, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 169, 156);  
box-shadow:4px 4px 4px 4px rgb(171, 169,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 7.142, 103.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 169, 156) }
```

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

```
.background{ background-color: rgb(171,  
169, 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](#).

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