

Converting Colors

CIELCh(68, 69.938, 103.062)

Have a look what the booklet for
CIELCh(68, 69.938, 103.062)
contains.

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Color

CIELCh(68, 69.773, 103.049)

Conversions

Conversions Part 1

Format	Color
Hex	ABAB11
RGB	171, 171, 17
RGB Percent	67%, 67%, 7%
CMY	0.3282, 0.3282, 0.9349
CMYK	0.00, 0.00, 0.90, 0.33
HSL	60°, 82%, 37%
HSV	60°, 90%, 67%
XYZ	31.5823, 37.9720, 6.1789
YIQ	153.4440, 49.4340, -47.8940

Conversions

Conversions Part 2

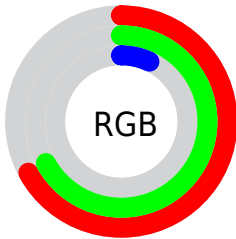
Format	Color
RYB	17, 171, 17
Decimal	11250449
CIELab	68.00, -15.75, 67.97
CIELCh	68, 69.773, 103.049
Yxy	37.9720, 0.4170, 0.5014
Android (android.graphics.Color)	4289440529 (0xFFABAB11)
YUV	153.4440, -67.2669, 15.3966
Hunter-Lab	61.6215, -16.3526, 37.1899

Details

The CIELCh color **68, 69.773, 103.049** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **22, 94.121, 305.303**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 69.500, 102.973**, and **48, 55.241, 105.351** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.926, 102.844**, and if you desaturate by 10%, it is **68, 65.986, 103.418**.

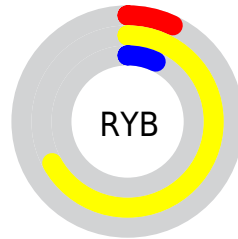
Distribution



Red (67%)

Green (67%)

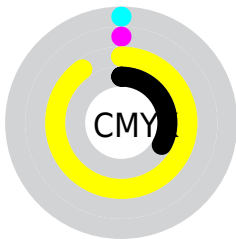
Blue (7%)



Red (7%)

Yellow (67%)

Blue (7%)

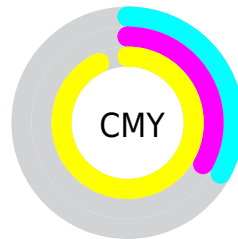


Cyan (0%)

Magenta (0%)

Yellow (90%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 69.773, 103.049 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 68, 69.773, 103.049 by changing the saturation by 10% instead.

 68, 69.773,
103.049


 68, 69.773,
103.049


 100, 69.773,
103.049


 58, 69.773,
103.049


 88, 69.773,
103.049

 48, 69.773,
103.049

 98, 69.773,
103.049

 38, 69.773,
103.049

 28, 69.773,
103.049

 18, 69.773,
103.049

 8, 69.773, 103.049

 0, 69.773, 103.049

■ 68, 69.773,
103.049

■ 68, 69.773,
103.049

■ 68, 71.926,
102.844

■ 68, 65.986,
103.418

■ 68, 60.415,
103.968

■ 68, 53.459,
104.666

■ 68, 45.541,
105.476

■ 69, 36.999,
106.359

■ 69, 28.069,
107.288

■ 69, 18.910,
108.239

■ 70, 9.623, 109.193

Harmonies

Complementary

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



68, 69.773, 103.049



22, 94.121, 305.303

Rectangle

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



68, 69.773, 103.049



68, 69.773, 153.049



68, 69.773, 283.049



68, 69.773, 333.049

Sweetspot

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



68, 69.773, 103.051



87, 30.918, 107.556



36, 71.426, 36.326



46, 20.955, 107.244



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 69.773, 103.051



86, 87.225, 102.844



63, 77.169, 126.477



37, 5.340, 109.287



60, 65.370, 102.845



7, 11.343, 110.169

Inverse Universe

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



22, 94.121, 305.303



27, 120.448, 306.286



28, 88.481, 312.002



33, 5.456, 291.122



17, 90.266, 306.285



1, 11.346, 290.174

Previews

White Background



This preview shows how the CIELCh color 68, 69.773, 103.049 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 68, 69.773, 103.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

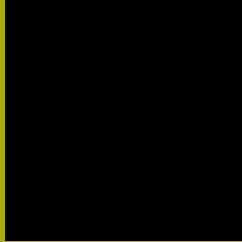
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 69.773, 103.049

Background



This preview shows how black text looks on a background with the CIELCh color 68, 69.773, 103.049.



This preview shows how white text looks on a background with the CIELCh color 68, 69.773, 103.049.

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


68, 69.609, 103.065

Protanopia

68, 69.188, 95.041

Deuteranopia

68, 67.045, 82.439



Tritanopia
68, 11.608, 342.500

Trichromacy



Original Color
68, 69.609, 103.065

Protanomaly
68, 69.221, 98.129

Deuteranomaly
68, 66.952, 90.154

Tritanomaly
67, 27.116, 92.890

Monochromacy



Original Color
68, 69.609, 103.065

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 30.556, 106.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 69.773, 103.049 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, 171, 17)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 17)  
}
```

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, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 69.773, 103.049 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, 171, 17) }
```

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

```
.border{ border-color:rgb(171, 171, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 17);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 69.773, 103.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 17) }
```

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

```
.background{ background-color: rgb(171,  
171, 17) }
```

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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