

Converting Colors

CIELCh(68, 67.975, 99.349)

Have a look what the booklet for
CIELCh(68, 67.975, 99.349) contains.

CIELCh(68, 67.975, 99.349)	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(68, 67.975, 99.349)

Conversions

Conversions Part 1

Format	Color
Hex	B3A917
RGB	179, 169, 23
RGB Percent	70%, 66%, 9%
CMY	0.2985, 0.3376, 0.9104
CMYK	0.00, 0.06, 0.87, 0.30
HSL	56°, 77%, 40%
HSV	56°, 87%, 70%
XYZ	32.8888, 37.9720, 6.3983
YIQ	155.3460, 52.8260, -43.2860

Conversions

Conversions Part 2

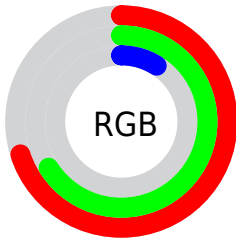
Format	Color
RYB	34, 179, 23
Decimal	11774231
CIELab	68.00, -11.04, 67.07
CIElCh	68, 67.975, 99.349
Yxy	37.9720, 0.4257, 0.4915
Android (android.graphics.Color)	4289964311 (0xFFB3A917)
YUV	155.3460, -65.2466, 20.7446
Hunter-Lab	61.6215, -12.5679, 36.9788

Details

The CIELCh color **68, 67.975, 99.349** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **25, 90.612, 303.533**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 67.809, 99.467**, and **48, 54.552, 100.296** is the 20% darker color. If you saturate the color by 10%, you get **68, 70.385, 98.775**, and if you desaturate by 10%, it is **68, 63.591, 100.042**.

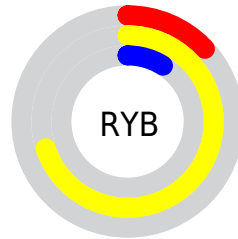
Distribution



Red (70%)

Green (66%)

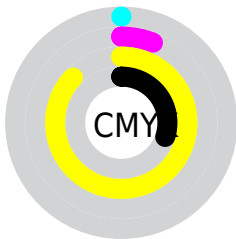
Blue (9%)



Red (13%)

Yellow (70%)

Blue (9%)

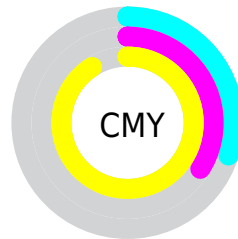


Cyan (0%)

Magenta (6%)

Yellow (87%)

Black (30%)



Cyan (30%)

Magenta (34%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 67.975, 99.349 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, 67.975, 99.349 by changing the saturation by 10% instead.

 68, 67.975, 99.349

 68, 67.975, 99.349

 100, 67.975,
99.349

 58, 67.975, 99.349

 88, 67.975, 99.349

 48, 67.975, 99.349

 98, 67.975, 99.349

 38, 67.975, 99.349

 28, 67.975, 99.349

 18, 67.975, 99.349

 8, 67.975, 99.349

 0, 67.975, 99.349

 68, 67.975, 99.349

 68, 67.975, 99.349

 68, 70.385, 98.775

 68, 63.591,

■ 68, 70.920, 98.624

100.042

■ 69, 57.496,
100.847

■ 69, 50.180,
101.743

■ 70, 42.075,
102.704

■ 70, 33.490,
103.706

■ 71, 24.630,
104.726

■ 72, 15.625,
105.748

■ 72, 6.556, 106.754

■ 73, 2.528, 287.790

Harmonies

Complementary

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



68, 67.975, 99.349



25, 90.612, 303.533

Rectangle

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



68, 67.975, 99.349



68, 67.975, 149.349



68, 67.975, 279.349



68, 67.975, 329.349

Sweetspot

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



68, 67.975, 99.351



90, 29.070, 104.807



38, 69.683, 32.436



48, 19.836, 104.457



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 67.975, 99.351



85, 86.099, 98.548



66, 77.269, 124.432



38, 5.130, 106.546



58, 63.231, 98.679



8, 12.053, 105.984

Inverse Universe

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



25, 90.612, 303.533



30, 121.897, 305.683



30, 90.406, 310.929



35, 5.228, 288.484



18, 88.268, 305.325



1, 12.661, 288.130

Previews

White Background



This preview shows how the CIELCh color 68, 67.975, 99.349 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, 67.975, 99.349 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, 67.975, 99.349

Background



This preview shows how black text looks on a background with the CIELCh color 68, 67.975, 99.349.



This preview shows how white text looks on a background with the CIELCh color 68, 67.975, 99.349.

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, 67.975, 99.349

Protanopia

68, 67.770, 95.025

Deuteranopia

68, 66.516, 82.334



Tritanopia
68, 13.937, 352.571

Trichromacy



Original Color
68, 67.975, 99.349

Protanomaly
68, 67.837, 96.601

Deuteranomaly
68, 66.167, 88.454

Tritanomaly
67, 26.787, 85.114

Monochromacy



Original Color
68, 67.975, 99.349

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 29.015, 103.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 67.975, 99.349 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(179, 169, 23)` looks like.

```
.text, #text, p{  
    color:rgb(179, 169, 23)  
}
```

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(179, 169, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 169, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 67.975, 99.349 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(179, 169, 23) }
```

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

```
.border{ border-color:rgb(179, 169, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 169, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 169, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 169, 23);  
box-shadow:4px 4px 4px 4px rgb(179, 169,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 67.975, 99.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 169, 23) }
```

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

```
.background{ background-color: rgb(179,  
169, 23) }
```

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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