

Converting Colors

CIELCh(68, 68.378, 104.702)

Have a look what the booklet for
CIELCh(68, 68.378, 104.702)
contains.

CIELCh(68, 68.428, 104.717)	3
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Color

CIELCh(68, 68.428, 104.717)

Conversions

Conversions Part 1

Format	Color
Hex	A8AC19
RGB	168, 172, 25
RGB Percent	66%, 67%, 10%
CMY	0.3406, 0.3249, 0.9011
CMYK	0.02, 0.00, 0.85, 0.32
HSL	62°, 74%, 39%
HSV	62°, 85%, 68%
XYZ	31.1384, 37.9720, 6.6203
YIQ	154.0460, 44.8030, -46.5650

Conversions

Conversions Part 2

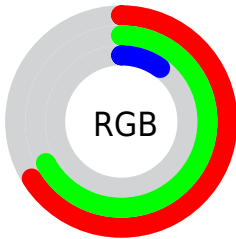
Format	Color
RYB	25, 172, 29
Decimal	11054105
CIELab	68.00, -17.38, 66.18
CIELCh	68, 68.428, 104.717
Yxy	37.9720, 0.4112, 0.5014
Android (android.graphics.Color)	4289244185 (0xFFA8AC19)
YUV	154.0460, -63.6197, 12.2377
Hunter-Lab	61.6215, -17.6384, 36.7652

Details

The CIELCh color **68, 68.428, 104.717** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **24, 90.630, 304.801**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 68.276, 104.836**, and **48, 55.672, 106.805** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.258, 104.562**, and if you desaturate by 10%, it is **68, 63.692, 105.094**.

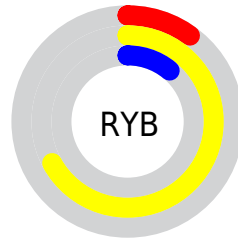
Distribution



Red (66%)

Green (67%)

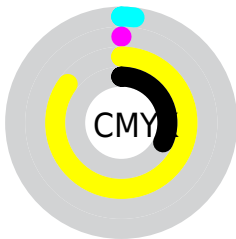
Blue (10%)



Red (10%)

Yellow (67%)

Blue (11%)

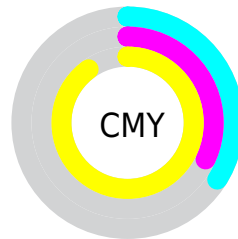


Cyan (2%)

Magenta (0%)

Yellow (85%)

Black (32%)



Cyan (34%)


Magenta (32%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 68.428, 104.717 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, 68.428, 104.717 by changing the saturation by 10% instead.

 68, 68.428,
104.717


 68, 68.428,
104.717

 100, 68.428,
104.717

 58, 68.428,
104.717


 88, 68.428,
104.717

 48, 68.428,
104.717

 98, 68.428,
104.717

 38, 68.428,
104.717

 28, 68.428,
104.717

 18, 68.428,
104.717

 8, 68.428, 104.717

 0, 68.428, 104.717

■ 68, 68.428,
104.717

■ 68, 68.428,
104.717

■ 68, 71.258,
104.562

■ 68, 63.692,
105.094

■ 68, 72.235,
104.527

■ 68, 57.351,
105.658

■ 68, 49.839,
106.364

■ 69, 41.543,
107.170

■ 69, 32.749,
108.038

■ 69, 23.652,
108.940

■ 70, 14.380,
109.854

■ 70, 5.016, 110.759

Harmonies

Complementary

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



68, 68.428, 104.717



24, 90.630, 304.801

Rectangle

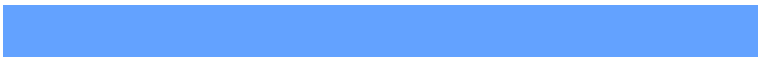
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 68.428, 104.717



68, 68.428, 154.717



68, 68.428, 284.717



68, 68.428, 334.717

Sweetspot

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



68, 68.428, 104.719



88, 30.082, 108.838



37, 68.638, 35.857



46, 20.323, 108.536



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, 68.428, 104.719



86, 88.046, 104.557



63, 76.016, 127.265



37, 5.343, 110.403



60, 65.417, 104.509



7, 11.353, 111.753

Inverse Universe

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



24, 90.630, 304.801



28, 121.368, 306.350



31, 85.472, 312.948



33, 5.459, 292.152



17, 90.120, 306.390



1, 11.351, 291.051

Previews

White Background



This preview shows how the CIELCh color 68, 68.428, 104.717 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 68, 68.428, 104.717 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, 68.428, 104.717

Background



This preview shows how black text looks on a background with the CIELCh color 68, 68.428, 104.717.



This preview shows how white text looks on a background with the CIELCh color 68, 68.428, 104.717.

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, 68.428, 104.717

Protanopia

68, 67.562, 95.022

Deuteranopia

68, 65.386, 82.103



Tritanopia
68, 10.443, 337.142

Trichromacy



Original Color
68, 68.428, 104.717

Protanomaly
68, 67.499, 98.566

Deuteranomaly
68, 65.304, 90.860

Tritanomaly
67, 25.103, 95.983

Monochromacy



Original Color
68, 68.428, 104.717

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 29.482, 108.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 68.428, 104.717 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(168, 172, 25)` looks like.

```
.text, #text, p{  
    color:rgb(168, 172, 25)  
}
```

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(168, 172, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 172, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 68.428, 104.717 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(168, 172, 25) }
```

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

```
.border{ border-color:rgb(168, 172, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 172, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 172, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 172, 25);  
box-shadow:4px 4px 4px 4px rgb(168, 172,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 68.428, 104.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 172, 25) }
```

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

```
.background{ background-color: rgb(168,  
172, 25) }
```

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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