

Converting Colors

CIELCh(68, 72.118, 109.350)

Have a look what the booklet for
CIELCh(68, 72.118, 109.350)
contains.

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Color

CIELCh(68, 72.056, 109.381)

Conversions

Conversions Part 1

Format	Color
Hex	9DAF0E
RGB	157, 175, 14
RGB Percent	62%, 69%, 5%
CMY	0.3834, 0.3128, 0.9469
CMYK	0.10, 0.00, 0.92, 0.31
HSL	67°, 86%, 37%
HSV	67°, 92%, 69%
XYZ	29.4025, 37.9720, 6.1785
YIQ	151.2640, 40.9530, -53.8870

Conversions

Conversions Part 2

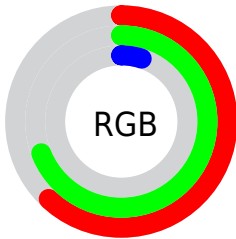
Format	Color
RYB	14, 175, 32
Decimal	10333966
CIELab	68.00, -23.91, 67.97
CIElCh	68, 72.056, 109.381
Yxy	37.9720, 0.3997, 0.5163
Android (android.graphics.Color)	4288524046 (0xFF9DAF0E)
YUV	151.2640, -67.6712, 5.0305
Hunter-Lab	61.6215, -22.6667, 37.1903

Details

The CIELCh color **68, 72.056, 109.381** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **23, 96.252, 306.192**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 71.697, 109.298**, and **48, 57.619, 113.189** is the 20% darker color. If you saturate the color by 10%, you get **68, 73.779, 109.606**, and if you desaturate by 10%, it is **68, 68.507, 109.299**.

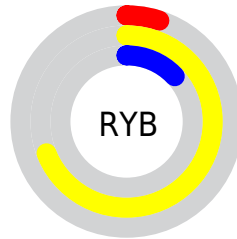
Distribution



Red (62%)

Green (69%)

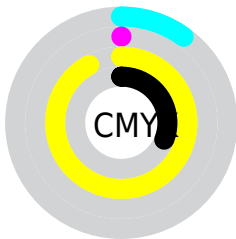
Blue (5%)



Red (5%)

Yellow (69%)

Blue (13%)

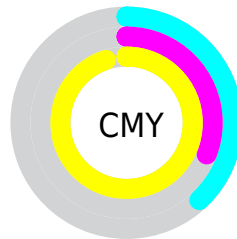


Cyan (10%)

Magenta (0%)

Yellow (92%)

Black (31%)



Cyan (38%)


Magenta (31%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 72.056, 109.381 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, 72.056, 109.381 by changing the saturation by 10% instead.

 68, 72.056,
109.381


 68, 72.056,
109.381


 100, 72.056,
109.381


 58, 72.056,
109.381


 88, 72.056,
109.381

 48, 72.056,
109.381

 98, 72.056,
109.381

 38, 72.056,
109.381

 28, 72.056,
109.381

 18, 72.056,
109.381

 8, 72.056, 109.381

 0, 72.056, 109.381

■ 68, 72.056,
109.381

■ 68, 72.056,
109.381

■ 68, 73.779,
109.606

■ 68, 68.507,
109.299

■ 68, 63.091,
109.506

■ 69, 56.191,
109.943

■ 69, 48.243,
110.540

■ 69, 39.604,
111.242

■ 70, 30.533,
112.003

■ 70, 21.200,
112.792

■ 71, 11.720,

113.586

■ 71, 2.167, 114.364

Harmonies

Complementary

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



68, 72.056, 109.381



23, 96.252, 306.192

Rectangle

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



68, 72.056, 109.381



68, 72.056, 159.381



68, 72.056, 289.381



68, 72.056, 339.381

Sweetspot

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



68, 72.056, 109.383



88, 32.779, 112.300



38, 72.585, 39.764



47, 22.743, 111.968



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 72.056, 109.383



86, 89.534, 109.719



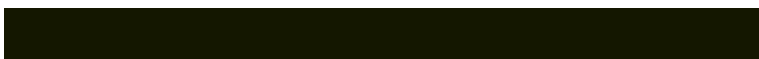
64, 82.148, 130.274



37, 5.363, 113.821



59, 65.930, 109.527



7, 11.428, 116.361

Inverse Universe

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



23, 96.252, 306.192



29, 121.885, 306.614



31, 89.232, 314.885



34, 5.478, 295.321



17, 89.613, 306.742



1, 11.379, 293.745

Previews

White Background



This preview shows how the CIELCh color 68, 72.056, 109.381 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, 72.056, 109.381 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, 72.056, 109.381

Background



This preview shows how black text looks on a background with the CIELCh color 68, 72.056, 109.381.



This preview shows how white text looks on a background with the CIELCh color 68, 72.056, 109.381.

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, 71.917, 109.406

Protanopia
68, 69.978, 95.047

Deuteranopia
68, 66.516, 82.334



Tritanopia
68, 7.662, 310.698

Trichromacy



Original Color
68, 71.917, 109.406

Protanomaly
68, 70.040, 100.367

Deuteranomaly
68, 66.872, 92.977

Tritanomaly
67, 27.189, 109.091

Monochromacy



Original Color
68, 71.917, 109.406

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 32.292, 111.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 72.056, 109.381 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(157, 175, 14)` looks like.

```
.text, #text, p{  
    color:rgb(157, 175, 14)  
}
```

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(157, 175, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 175, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 72.056, 109.381 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(157, 175, 14) }
```

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

```
.border{ border-color:rgb(157, 175, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 175, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 175, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 175, 14);  
box-shadow:4px 4px 4px 4px rgb(157, 175,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 72.056, 109.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 175, 14) }
```

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

```
.background{ background-color: rgb(157,  
175, 14) }
```

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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