

Converting Colors

CIELCh(72, 77.171, 108.993)

Have a look what the booklet for
CIELCh(72, 77.171, 108.993)
contains.

CIELCh(72, 77.326, 109.062)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 77.326, 109.062)

Conversions

Conversions Part 1

Format	Color
Hex	A8BB00
RGB	168, 187, 0
RGB Percent	66%, 73%, 0%
CMY	0.3427, 0.2681, 1.0000
CMYK	0.10, 0.00, 1.00, 0.27
HSL	66°, 100%, 37%
HSV	66°, 100%, 73%
XYZ	33.7478, 43.6590, 6.6187
YIQ	160.0010, 48.7030, -62.1850

Conversions

Conversions Part 2

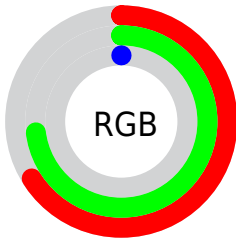
Format	Color
RYB	0, 187, 19
Decimal	11057920
CIELab	72.00, -25.25, 73.09
CIELCh	72, 77.326, 109.062
Yxy	43.6590, 0.4016, 0.5196
Android (android.graphics.Color)	4289248000 (0xFFA8BB00)
YUV	160.0010, -78.8805, 7.0151
Hunter-Lab	66.0750, -24.4623, 40.3134

Details

The CIELCh color **72, 77.326, 109.062** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **23, 105.261, 306.623**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 77.367, 109.002**, and **52, 61.219, 112.874** is the 20% darker color. If you saturate the color by 10%, you get **72, 77.215, 109.082**, and if you desaturate by 10%, it is **72, 74.887, 108.828**.

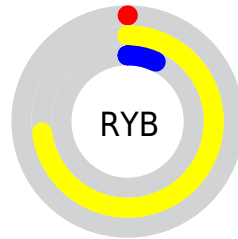
Distribution



Red (66%)

Green (73%)

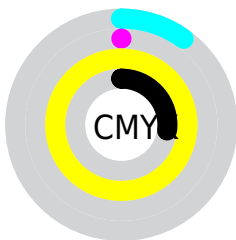
Blue (0%)



Red (0%)

Yellow (73%)

Blue (7%)

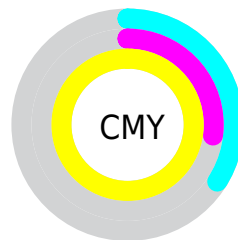


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (34%)


Magenta (27%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 77.326, 109.062 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 72, 77.326, 109.062 by changing the saturation by 10% instead.

 72, 77.326,
109.062


 72, 77.326,
109.062


 100, 77.326,
109.062


 62, 77.326,
109.062


 92, 77.326,
109.062

 52, 77.326,
109.062

 42, 77.326,
109.062

 32, 77.326,
109.062

 22, 77.326,
109.062

 12, 77.326,
109.062

 2, 77.326, 109.062

■ 0, 77.326, 109.062

■ 72, 77.326,
109.062

■ 72, 77.326,
109.062

■ 72, 77.215,
109.082

■ 72, 74.887,
108.828

■ 72, 70.776,
108.832

■ 73, 64.751,
109.114

■ 73, 57.246,
109.607

■ 73, 48.715,
110.247

■ 74, 39.517,
110.981

■ 74, 29.905,
111.766

■ 75, 20.046,
112.575

■ 75, 10.051,
113.384

Harmonies

Complementary

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



72, 77.326, 109.062



23, 105.261, 306.623

Rectangle

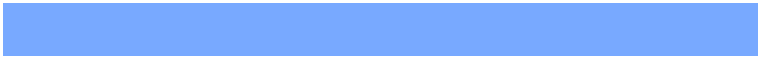
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 77.326, 109.062



72, 77.326, 159.062



72, 77.326, 289.062



72, 77.326, 339.062

Sweetspot

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



72, 77.215, 109.082



94, 36.951, 111.727



40, 81.185, 41.168



50, 25.329, 111.391



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 77.215, 109.082



91, 93.931, 109.181



67, 88.964, 130.978



40, 5.748, 113.436



62, 68.288, 109.006



11, 17.065, 114.003

Inverse Universe

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



23, 105.261, 306.623



31, 128.148, 306.560



32, 96.611, 314.401



37, 5.872, 294.980



18, 93.030, 306.676



1, 17.475, 293.480

Previews

White Background



This preview shows how the CIELCh color 72, 77.326, 109.062 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 72, 77.326, 109.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

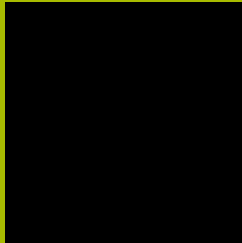
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 77.326, 109.062

Background



This preview shows how black text looks on a background with the CIELCh color 72, 77.326, 109.062.



This preview shows how white text looks on a background with the CIELCh color 72, 77.326, 109.062.

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
72, 77.326, 109.062

Protanopia
72, 74.410, 95.152

Deuteranopia
72, 70.550, 82.525



Tritanopia
72, 8.220, 311.820

Trichromacy



Original Color
72, 77.326, 109.062

Protanomaly
72, 74.981, 100.448

Deuteranomaly
71, 71.358, 92.840

Tritanomaly
71, 31.621, 108.524

Monochromacy



Original Color
72, 77.326, 109.062

Achromatopsia
66, 0.008, 296.813

Achromatomaly
68, 36.638, 111.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 77.326, 109.062 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, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 187, 0)  
}
```

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, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 187, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 77.326, 109.062 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, 187, 0) }
```

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

```
.border{ border-color:rgb(168, 187, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 187, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 187,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 77.326, 109.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 187, 0) }
```

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

```
.background{ background-color: rgb(168,  
187, 0) }
```

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