

Converting Colors

CIELCh(72, 16.245, 290.774)

Have a look what the booklet for
CIELCh(72, 16.245, 290.774)
contains.

CIELCh(72, 16.355, 290.543)	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, 16.355, 290.543)

Conversions

Conversions Part 1

Format	Color
Hex	ADAECC
RGB	173, 174, 204
RGB Percent	68%, 68%, 80%
CMY	0.3205, 0.3166, 0.1989
CMYK	0.15, 0.15, 0.00, 0.20
HSL	238°, 23%, 74%
HSV	238°, 15%, 80%
XYZ	43.4088, 43.6590, 63.4344
YIQ	177.1210, -10.2260, 9.1180

Conversions

Conversions Part 2

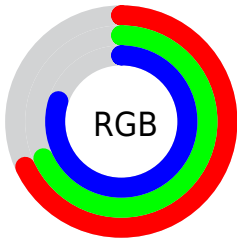
Format	Color
RYB	173, 174, 204
Decimal	11382476
CIELab	72.00, 5.74, -15.31
CIElCh	72, 16.355, 290.543
Yxy	43.6590, 0.2884, 0.2901
Android (android.graphics.Color)	4289572556 (0xFFADA ECC)
YUV	177.1210, 13.2513, -3.6141
Hunter-Lab	66.0750, 1.6367, -10.6681

Details

The CIELCh color $72, 16.355, 290.543$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $81, 15.833, 107.362$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 13.475, 291.251$, and $52, 16.281, 289.657$ is the 20% darker color. If you saturate the color by 10%, you get $65, 27.674, 291.889$, and if you desaturate by 10%, it is $79, 5.478, 289.403$.

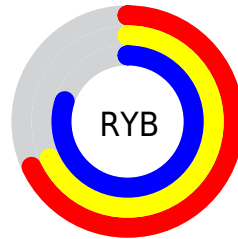
Distribution



Red (68%)

Green (68%)

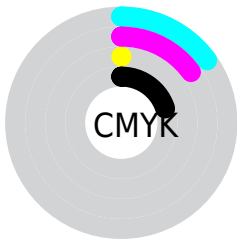
Blue (80%)



Red (68%)

Yellow (68%)

Blue (80%)

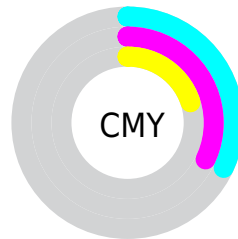


Cyan (15%)

Magenta (15%)

Yellow (0%)

Black (20%)



Cyan (32%)


Magenta (32%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 16.355, 290.543 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, 16.355, 290.543 by changing the saturation by 10% instead.


 72, 16.355,
290.543


 72, 16.355,
290.543


 100, 16.355,
290.543


 62, 16.355,
290.543


 92, 16.355,
290.543

 52, 16.355,
290.543

 42, 16.355,
290.543

 32, 16.355,
290.543

 22, 16.355,
290.543

 12, 16.355,
290.543

 2, 16.355, 290.543

■ 0, 16.355, 290.543

■ 72, 16.355,
290.543

■ 72, 16.355,
290.543

■ 65, 27.674,
291.889

■ 79, 5.478, 289.403

■ 85, 4.986, 108.398

■ 59, 39.474,
293.474

■ 92, 15.069,
107.577

■ 52, 51.771,
295.315

■ 98, 24.800,
106.868

■ 45, 64.525,
297.407

■ 99, 25.601,
108.235

■ 39, 77.534,
299.687

■ 34, 90.234,
301.996

■ 29,101.442,
304.056

■ 26,109.421,
305.533

■ 25,111.811,
305.944

Harmonies

Complementary

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



72, 16.355, 290.543



81, 15.833, 107.362

Rectangle

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



72, 16.355, 290.543



72, 16.355, 340.543



72, 16.355, 110.543



72, 16.355, 160.543

Sweetspot

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



72, 16.353, 290.540



96, 6.331, 289.391



80, 10.915, 195.736



51, 4.324, 289.464



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 16.353, 290.540



86, 23.358, 290.929



73, 17.712, 308.611



39, 6.038, 289.857



19, 95.381, 305.844



2, 23.000, 291.665

Inverse Universe

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



73, 11.960, 17.825



88, 17.173, 18.116



80, 17.323, 127.202



40, 4.369, 17.311



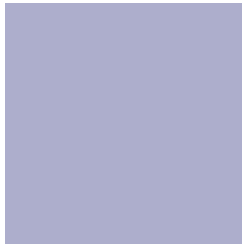
34, 74.237, 38.506



4, 17.924, 17.813

Previews

White Background



This preview shows how the CIELCh color 72, 16.355, 290.543 looks on a white background.

Color Contrast Check

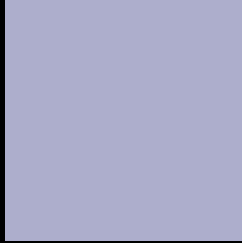
Large Text (above 18pt) WCAG AA × Fail

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 72, 16.355, 290.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

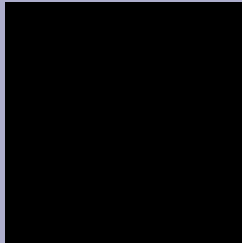
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

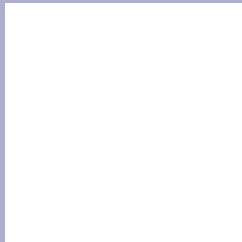
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 16.355, 290.543

Background



This preview shows how black text looks on a background with the CIELCh color 72, 16.355, 290.543.



This preview shows how white text looks on a background with the CIELCh color 72, 16.355, 290.543.

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, 16.355, 290.543

Protanopia

72, 16.374, 286.907

Deuteranopia

72, 18.273, 300.729



Tritanopia
72, 7.877, 275.067

Trichromacy



Original Color
72, 16.355, 290.543

Protanomaly
72, 16.355, 288.110

Deuteranomaly
72, 17.573, 297.565

Tritanomaly
72, 10.956, 283.796

Monochromacy



Original Color
72, 16.355, 290.543

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 5.993, 290.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 16.355, 290.543 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(173, 174, 204)` looks like.

```
.text, #text, p{  
    color:rgb(173, 174, 204)  
}
```

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(173, 174, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 174, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 16.355, 290.543 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(173, 174, 204) }
```

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

```
.border{ border-color:rgb(173, 174, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 174, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 174, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 174, 204);  
box-shadow:4px 4px 4px 4px rgb(173, 174,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 16.355, 290.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 174, 204) }
```

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

```
.background{ background-color: rgb(173,  
174, 204) }
```

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