

Converting Colors

CIELCh(68, 17.782, 291.980)

Have a look what the booklet for
CIELCh(68, 17.782, 291.980)
contains.

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Color

CIELCh(68, 17.654, 291.963)

Conversions

Conversions Part 1

Format	Color
Hex	A3A3C3
RGB	163, 163, 195
RGB Percent	64%, 64%, 76%
CMY	0.3604, 0.3604, 0.2349
CMYK	0.16, 0.16, 0.00, 0.23
HSL	240°, 21%, 70%
HSV	240°, 16%, 77%
XYZ	38.1020, 37.9720, 57.0122
YIQ	166.6480, -10.2720, 9.9520

Conversions

Conversions Part 2

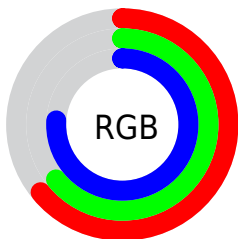
Format	Color
RYB	163, 163, 195
Decimal	10724291
CIELab	68.00, 6.60, -16.37
CIELCh	68, 17.654, 291.963
Yxy	37.9720, 0.2863, 0.2853
Android (android.graphics.Color)	4288914371 (0xFFA3A3C3)
YUV	166.6480, 13.9775, -3.1993
Hunter-Lab	61.6215, 2.5332, -11.7202

Details

The CIELCh color $68, 17.654, 291.963$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $78, 17.006, 108.601$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 17.777, 291.635$, and $48, 17.727, 292.519$ is the 20% darker color. If you saturate the color by 10%, you get $61, 29.009, 293.306$, and if you desaturate by 10%, it is $75, 6.758, 290.824$.

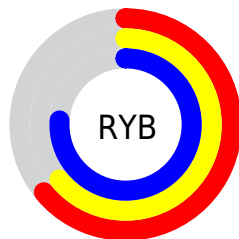
Distribution



Red (64%)

Green (64%)

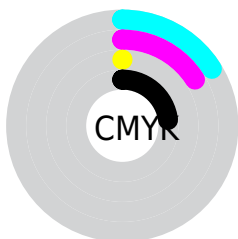
Blue (76%)



Red (64%)

Yellow (64%)

Blue (76%)

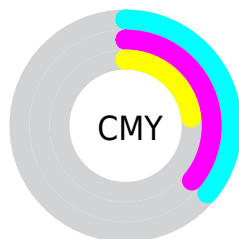


Cyan (16%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (36%)


Magenta (36%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 17.654, 291.963 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, 17.654, 291.963 by changing the saturation by 10% instead.


 68, 17.654,
291.963


 68, 17.654,
291.963


 100, 17.654,
291.963


 58, 17.654,
291.963


 88, 17.654,
291.963

 48, 17.654,
291.963

 98, 17.654,
291.963

 38, 17.654,
291.963

 28, 17.654,
291.963

 18, 17.654,
291.963

 8, 17.654, 291.963

 0, 17.654, 291.963

68, 17.654,
291.963

68, 17.654,
291.963

61, 29.009,
293.306

75, 6.758, 290.824

55, 40.858,
294.884

81, 3.709, 109.829

48, 53.202,
296.709

88, 13.782,
109.018

42, 65.961,
298.764

94, 23.488,
108.318

36, 78.838,
300.961

99, 30.174,
107.883

31, 91.080,
303.106

27, 101.251,
304.886

24, 107.631,

305.986

■ 23, 109.396,
306.287

Harmonies

Complementary

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



68, 17.654, 291.963



78, 17.006, 108.601

Rectangle

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



68, 17.654, 291.963



68, 17.654, 341.963



68, 17.654, 111.963



68, 17.654, 161.963

Sweetspot

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



68, 17.652, 291.961



95, 6.491, 290.689



77, 11.294, 197.120



51, 4.470, 290.762



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 17.652, 291.961



83, 26.746, 292.460



69, 18.526, 309.245



37, 5.984, 291.140



18, 94.722, 306.287



1, 19.479, 291.134

Inverse Universe

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



70, 12.523, 20.494



86, 19.112, 20.848



77, 18.103, 127.745



38, 4.188, 19.918



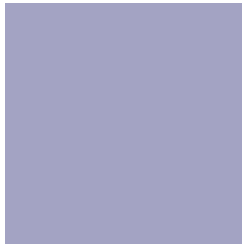
33, 73.726, 39.722



3, 13.999, 19.403

Previews

White Background



This preview shows how the CIELCh color 68, 17.654, 291.963 looks on a white background.

Color Contrast Check

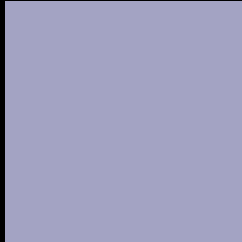
Large Text (above 18pt) WCAG AA × Fail

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, 17.654, 291.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

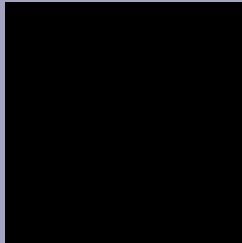
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 17.654, 291.963

Background



This preview shows how black text looks on a background with the CIELCh color 68, 17.654, 291.963.



This preview shows how white text looks on a background with the CIELCh color 68, 17.654, 291.963.

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

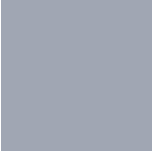
68, 17.654, 291.963

Protanopia

68, 17.687, 286.347

Deuteranopia

68, 18.331, 297.509



Tritanopia
68, 7.443, 273.898

Trichromacy



Original Color
68, 17.654, 291.963

Protanomaly
68, 17.664, 287.458

Deuteranomaly
68, 18.297, 296.412

Tritanomaly
68, 11.086, 283.884

Monochromacy



Original Color
68, 17.654, 291.963

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 6.058, 290.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 17.654, 291.963 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(163, 163, 195)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 195)  
}
```

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(163, 163, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 17.654, 291.963 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(163, 163, 195) }
```

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

```
.border{ border-color:rgb(163, 163, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 195);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 17.654, 291.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 195) }
```

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

```
.background{ background-color: rgb(163,  
163, 195) }
```

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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