

Converting Colors

CIELCh(68, 21.633, 297.698)

Have a look what the booklet for
CIELCh(68, 21.633, 297.698)
contains.

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Color

CIELCh(68, 21.675, 297.839)

Conversions

Conversions Part 1

Format	Color
Hex	A7A1C8
RGB	167, 161, 200
RGB Percent	65%, 63%, 78%
CMY	0.3443, 0.3679, 0.2149
CMYK	0.16, 0.19, 0.00, 0.21
HSL	249°, 26%, 71%
HSV	249°, 19%, 79%
XYZ	39.2036, 37.9720, 60.0280
YIQ	167.2400, -8.9430, 13.4010

Conversions

Conversions Part 2

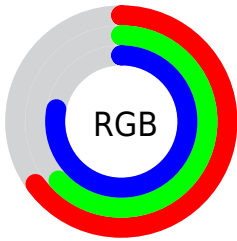
Format	Color
RYB	167, 161, 200
Decimal	10985928
CIELab	68.00, 10.12, -19.17
CIElCh	68, 21.675, 297.839
Yxy	37.9720, 0.2857, 0.2768
Android (android.graphics.Color)	4289176008 (0xFFA7A1C8)
YUV	167.2400, 16.1507, -0.2105
Hunter-Lab	61.6215, 5.7242, -14.6218

Details

The CIELCh color $68, 21.675, 297.839$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $79, 20.763, 114.771$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 20.546, 297.466$, and $48, 21.379, 297.775$ is the 20% darker color. If you saturate the color by 10%, you get $61, 33.451, 298.872$, and if you desaturate by 10%, it is $75, 10.348, 296.942$.

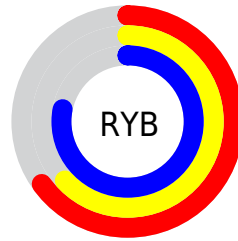
Distribution



Red (65%)

Green (63%)

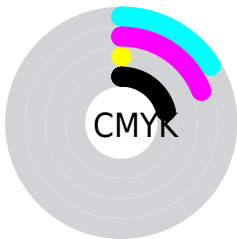
Blue (78%)



Red (65%)

Yellow (63%)

Blue (78%)

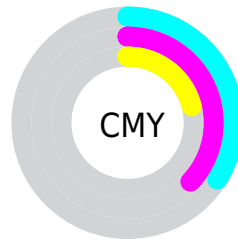


Cyan (16%)

Magenta (19%)

Yellow (0%)

Black (21%)



Cyan (34%)


Magenta (37%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 21.675, 297.839 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, 21.675, 297.839 by changing the saturation by 10% instead.


 68, 21.675,
297.839


 68, 21.675,
297.839


 100, 21.675,
297.839


 58, 21.675,
297.839


 88, 21.675,
297.839

 48, 21.675,
297.839

 98, 21.675,
297.839

 38, 21.675,
297.839

 28, 21.675,
297.839

 18, 21.675,
297.839

 8, 21.675, 297.839

 0, 21.675, 297.839

68, 21.675,
297.839

68, 21.675,
297.839

61, 33.451,
298.872

75, 10.348,
296.942

55, 45.678,
300.054

81, 0.543, 116.160

49, 58.298,
301.376

87, 11.026,
115.508

42, 71.136,
302.803

94, 21.127,
114.940

37, 83.766,
304.246

99, 27.669,
110.500

32, 95.333,
305.540

99, 27.635,
108.079

28, 104.464,
306.447

25, 110.201,

306.858

■ 25, 110.469,
306.883

Harmonies

Complementary

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



68, 21.675, 297.839



79, 20.763, 114.771

Rectangle

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



68, 21.675, 297.839



68, 21.675, 347.839



68, 21.675, 117.839



68, 21.675, 167.839

Sweetspot

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



68, 21.673, 297.838



95, 7.920, 296.667



76, 11.836, 214.104



50, 5.259, 296.720



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, 21.673, 297.838



82, 31.374, 298.218



70, 23.343, 314.948



38, 6.154, 296.933



19, 94.802, 306.965



1, 21.613, 295.796

Inverse Universe

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



71, 23.036, 330.132



86, 33.115, 330.373



78, 22.938, 133.275



39, 6.638, 329.500



37, 73.465, 335.397



4, 23.388, 332.843

Previews

White Background



This preview shows how the CIELCh color 68, 21.675, 297.839 looks on a white background.

Color Contrast Check

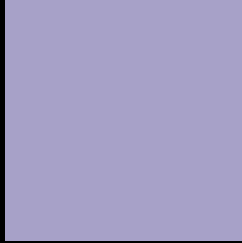
Large Text (above 18pt) WCAG AA × Fail

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, 21.675, 297.839 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, 21.675, 297.839

Background



This preview shows how black text looks on a background with the CIELCh color 68, 21.675, 297.839.



This preview shows how white text looks on a background with the CIELCh color 68, 21.675, 297.839.

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, 21.675, 297.839

Protanopia

68, 21.019, 285.798

Deuteranopia

68, 21.017, 295.111



Tritanopia
68, 7.191, 285.083

Trichromacy



Original Color
68, 21.675, 297.839

Protanomaly
68, 20.954, 290.415

Deuteranomaly
68, 21.041, 296.053

Tritanomaly
68, 12.143, 293.105

Monochromacy



Original Color
68, 21.675, 297.839

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.761, 296.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 21.675, 297.839 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(167, 161, 200)` looks like.

```
.text, #text, p{  
    color:rgb(167, 161, 200)  
}
```

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(167, 161, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 161, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 21.675, 297.839 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(167, 161, 200) }
```

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

```
.border{ border-color:rgb(167, 161, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 161, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 161, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 161, 200); box-shadow:4px 4px 4px 4px rgb(167, 161, 200) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 21.675, 297.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 161, 200) }
```

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

```
.background{ background-color: rgb(167,  
161, 200) }
```

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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