

# Converting Colors

CIELCh(68, 22.551, 294.760)

Have a look what the booklet for  
CIELCh(68, 22.551, 294.760)  
contains.

<b>CIELCh(68, 22.647, 294.178)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(68, 22.647, 294.178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4A2CB
RGB	164, 162, 203
RGB Percent	64%, 64%, 80%
CMY	0.3574, 0.3653, 0.2045
CMYK	0.19, 0.20, 0.00, 0.20
HSL	243°, 28%, 72%
HSV	243°, 20%, 80%
XYZ	38.9367, 37.9720, 61.6835
YIQ	167.2720, -11.9690, 13.1750

# Conversions

## Conversions Part 2

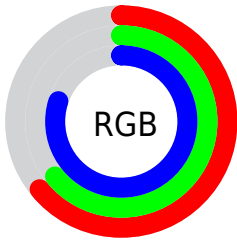
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 162, 203
Decimal	10789579
CIELab	68.00, 9.28, -20.66
CIELCh	68, 22.647, 294.178
Yxy	37.9720, 0.2809, 0.2740
Android (android.graphics.Color)	4288979659 (0xFFA4A2CB)
YUV	167.2720, 17.6139, -2.8695
Hunter-Lab	61.6215, 4.9512, -16.2147

# Details

The CIELCh color **68, 22.647, 294.178** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **81, 21.616, 110.301**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.903, 293.730**, and **48, 23.068, 294.938** is the 20% darker color. If you saturate the color by 10%, you get **61, 34.564, 295.479**, and if you desaturate by 10%, it is **75, 11.212, 293.066**.

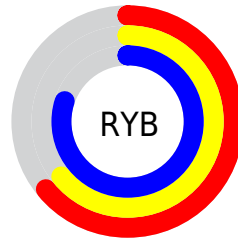
# Distribution



Red (64%)

Green (64%)

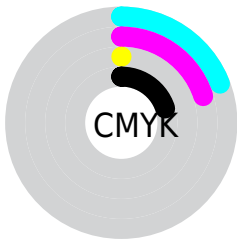
Blue (80%)



Red (64%)

Yellow (64%)

Blue (80%)

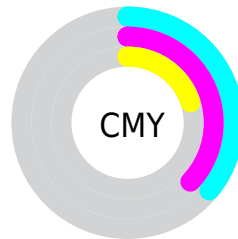


Cyan (19%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (36%)

Magenta (37%)

Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 22.647, 294.178 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, 22.647, 294.178 by changing the saturation by 10% instead.



 68, 22.647,  
294.178

 68, 22.647,  
294.178

 100, 22.647,  
294.178

 58, 22.647,  
294.178


 88, 22.647,  
294.178

 48, 22.647,  
294.178

 98, 22.647,  
294.178

 38, 22.647,  
294.178

 28, 22.647,  
294.178

 18, 22.647,  
294.178

 8, 22.647, 294.178

 0, 22.647, 294.178

68, 22.647,  
294.178

68, 22.647,  
294.178

61, 34.564,  
295.479

75, 11.212,  
293.066

54, 46.982,  
296.991

81, 0.233, 292.312

48, 59.869,  
298.712

88, 10.325,  
111.301

41, 73.061,  
300.605

95, 20.493,  
110.615

36, 86.104,  
302.555

99, 26.310,  
108.181

31, 97.999,  
304.346

27, 107.108,  
305.671

25, 112.391,



# Harmonies

# Complementary

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



68, 22.647, 294.178



81, 21.616, 110.301

# Rectangle

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



68, 22.647, 294.178



68, 22.647, 344.178



68, 22.647, 114.178



68, 22.647, 164.178

# Sweetspot

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



68, 22.645, 294.177



95, 7.875, 292.659



78, 13.686, 201.507



50, 5.230, 292.722



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, 22.645, 294.177



80, 32.660, 294.688



70, 23.903, 311.134



39, 6.250, 292.983



19, 96.670, 306.451



1, 23.562, 293.705



# Inverse Universe

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



71, 25.968, 326.893



85, 37.142, 327.125



79, 23.303, 129.327



40, 7.292, 326.274



39, 80.600, 330.251

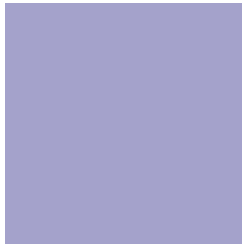


5, 27.929, 329.118



# Previews

## White Background



This preview shows how the CIELCh color 68, 22.647, 294.178 looks on a white background.

## Color Contrast Check

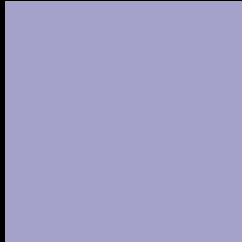
Large Text (above 18pt) WCAG AA × Fail

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, 22.647, 294.178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

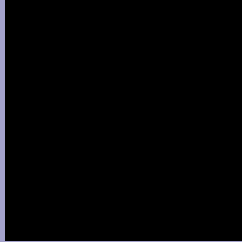
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 68, 22.647, 294.178**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 22.647, 294.178.



This preview shows how white text looks on a background with the CIELCh color 68, 22.647, 294.178.

# 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, 22.647, 294.178

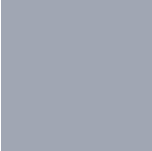
### Protanopia

68, 22.139, 285.403

### Deuteranopia

68, 22.635, 293.315





**Tritanopia**  
68, 7.443, 273.898

# Trichromacy



**Original Color**  
68, 22.647, 294.178

**Protanomaly**  
68, 22.619, 289.021

**Deuteranomaly**  
68, 22.635, 293.315

**Tritanomaly**  
68, 13.258, 286.921

# Monochromacy



**Original Color**  
68, 22.647, 294.178

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 8.280, 293.550

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 22.647, 294.178 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(164, 162, 203)` looks like.

```
.text, #text, p{  
    color:rgb(164, 162, 203)  
}
```

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(164, 162, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 162, 203) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 22.647, 294.178 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(164, 162, 203) }
```

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

```
.border{ border-color:rgb(164, 162, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 162, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 162, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 162, 203);  
box-shadow:4px 4px 4px 4px rgb(164, 162,  
203) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 22.647, 294.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 162, 203) }
```

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

```
.background{ background-color: rgb(164,  
162, 203) }
```

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