

# Converting Colors

CIELCh(68, 27.260, 285.709)

Have a look what the booklet for  
CIELCh(68, 27.260, 285.709)  
contains.

<b>CIELCh(68, 27.125, 285.264)</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, 27.125, 285.264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99A4D5
RGB	153, 164, 213
RGB Percent	60%, 64%, 84%
CMY	0.4012, 0.3580, 0.1660
CMYK	0.28, 0.23, 0.00, 0.17
HSL	229°, 41%, 72%
HSV	229°, 28%, 83%
XYZ	38.2692, 37.9720, 68.0496
YIQ	166.2970, -22.2850, 12.9070

# Conversions

## Conversions Part 2

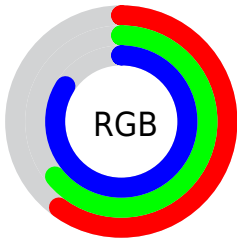
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 162, 213
Decimal	10069205
CIE Lab	68.00, 7.14, -26.17
CIE LCh	68, 27.125, 285.264
Yxy	37.9720, 0.2652, 0.2632
Android (android.graphics.Color)	4288259285 (0xFF99A4D5)
YUV	166.2970, 23.0246, -11.6615
Hunter-Lab	61.6215, 3.0175, -22.3399

# Details

The CIELCh color `68, 27.125, 285.264` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `81, 26.158, 98.140`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `88, 19.080, 280.747`, and `48, 27.271, 285.357` is the 20% darker color. If you saturate the color by 10%, you get `62, 37.350, 287.102`, and if you desaturate by 10%, it is `74, 17.235, 283.692`.

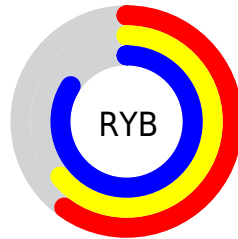
# Distribution



Red (60%)

Green (64%)

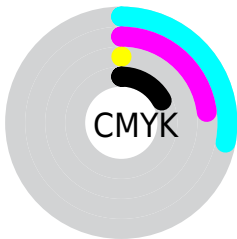
Blue (84%)



Red (60%)

Yellow (64%)

Blue (84%)

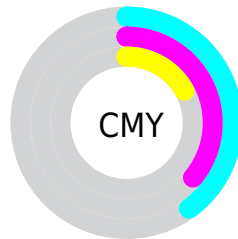


Cyan (28%)

Magenta (23%)

Yellow (0%)

Black (17%)



Cyan (40%)

Magenta (36%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 27.125, 285.264 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, 27.125, 285.264 by changing the saturation by 10% instead.





 68, 27.125,  
285.264


 68, 27.125,  
285.264

 100, 27.125,  
285.264

 58, 27.125,  
285.264

 88, 27.125,  
285.264

 48, 27.125,  
285.264

 98, 27.125,  
285.264

 38, 27.125,  
285.264

 28, 27.125,  
285.264

 18, 27.125,  
285.264

 8, 27.125, 285.264

 0, 27.125, 285.264

68, 27.125,  
285.264

68, 27.125,  
285.264

62, 37.350,  
287.102

74, 17.235,  
283.692

56, 47.944,  
289.240

80, 7.655, 282.358

86, 1.639, 101.089

50, 58.927,  
291.689

92, 10.666,  
100.177

44, 70.267,  
294.421

98, 19.258,  
103.757

39, 81.786,  
297.331

99, 21.383,  
108.558

34, 93.008,  
300.223

31, 103.034,  
302.799

30, 104.635,



# Harmonies

# Complementary

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



68, 27.125, 285.264



81, 26.158, 98.140

# Rectangle

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



68, 27.125, 285.264



68, 27.125, 335.264



68, 27.125, 105.264



68, 27.125, 155.264

# Sweetspot

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



68, 27.124, 285.263



94, 8.647, 282.343



81, 21.647, 180.647



49, 6.158, 282.530



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, 27.124, 285.263



76, 38.265, 286.360



67, 33.913, 303.699



42, 5.335, 282.508



23, 87.791, 302.817



3, 24.107, 289.506



# Inverse Universe

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



69, 24.247, 7.587



78, 34.317, 8.507



83, 32.061, 120.165



42, 4.676, 5.325



35, 69.379, 30.332

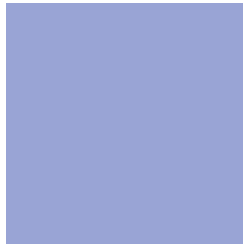


5, 22.032, 11.600



# Previews

## White Background



This preview shows how the CIELCh color 68, 27.125, 285.264 looks on a white background.

## Color Contrast Check

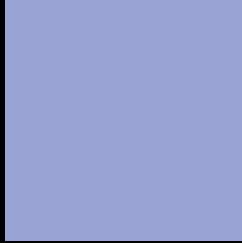
Large Text (above 18pt) WCAG AA × Fail

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, 27.125, 285.264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

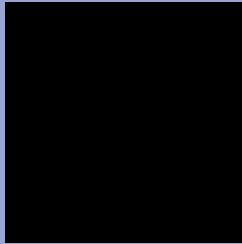
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 68, 27.125, 285.264

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 27.125, 285.264.



This preview shows how white text looks on a background with the CIELCh color 68, 27.125, 285.264.

# 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, 27.125, 285.264

### Protanopia

68, 27.125, 285.264

### Deuteranopia

68, 27.592, 288.155





**Tritanopia**  
68, 11.001, 243.647

# Trichromacy



**Original Color**  
68, 27.125, 285.264

**Protanomaly**  
68, 27.125, 285.264

**Deuteranomaly**  
68, 27.613, 287.488

**Tritanomaly**  
68, 16.041, 267.772

# Monochromacy



**Original Color**  
68, 27.125, 285.264

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 9.996, 282.917

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 27.125, 285.264 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(153, 164, 213)` looks like.

```
.text, #text, p{  
    color:rgb(153, 164, 213)  
}
```

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(153, 164, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 164, 213) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 27.125, 285.264 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(153, 164, 213) }
```

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

```
.border{ border-color:rgb(153, 164, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 164, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 164, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 164, 213);  
box-shadow:4px 4px 4px 4px rgb(153, 164,  
213) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 27.125, 285.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 164, 213) }
```

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

```
.background{ background-color: rgb(153,  
164, 213) }
```

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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