

# Converting Colors

CIELCh(65, 28.404, 293.115)

Have a look what the booklet for  
CIELCh(65, 28.404, 293.115)  
contains.

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# Color

**CIELCh(65, 28.404, 293.115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9999CC
RGB	153, 153, 204
RGB Percent	60%, 60%, 80%
CMY	0.3989, 0.3989, 0.1988
CMYK	0.25, 0.25, 0.00, 0.20
HSL	240°, 33%, 70%
HSV	240°, 25%, 80%
XYZ	35.5615, 34.0472, 62.0094
YIQ	158.8140, -16.3710, 15.8610

# Conversions

## Conversions Part 2

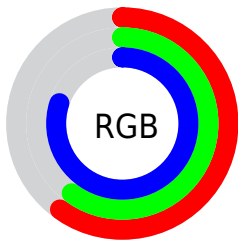
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 153, 204
Decimal	10066380
CIE <sub>Lab</sub>	65.00, 11.15, -26.12
CIE <sub>LCh</sub>	65, 28.404, 293.115
Yxy	34.0472, 0.2702, 0.2587
Android (android.graphics.Color)	4288256460 (0xFF9999CC)
YUV	158.8140, 22.2767, -5.0989
Hunter-Lab	58.3500, 6.6748, -22.1634

# Details

The CIELCh color  $65, 28.404, 293.115$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $81, 26.779, 107.773$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 25.325, 293.048$ , and  $45, 28.677, 293.393$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 40.634, 294.664$ , and if you desaturate by 10%, it is  $72, 16.680, 291.796$ .

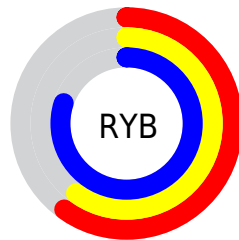
# Distribution



Red (60%)

Green (60%)

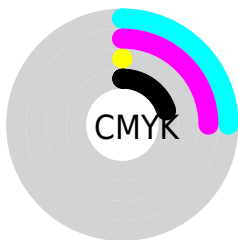
Blue (80%)



Red (60%)

Yellow (60%)

Blue (80%)

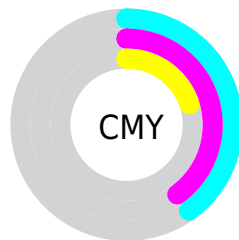


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (20%)



Cyan (40%)

Magenta (40%)


Yellow (20%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 28.404, 293.115 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 65, 28.404, 293.115 by changing the saturation by 10% instead.





 65, 28.404,  
293.115


 65, 28.404,  
293.115


 100, 28.404,  
293.115


 55, 28.404,  
293.115


 85, 28.404,  
293.115

 45, 28.404,  
293.115

 95, 28.404,  
293.115

 35, 28.404,  
293.115

 25, 28.404,  
293.115

 15, 28.404,  
293.115

 5, 28.404, 293.115

 0, 28.404, 293.115

65, 28.404,  
293.115

65, 28.404,  
293.115

58, 40.634,  
294.664

72, 16.680,  
291.796

51, 53.384,  
296.462

79, 5.434, 290.684

86, 5.372, 109.711

45, 66.585,  
298.496

92, 15.771,  
108.913

38, 79.968,  
300.690

99, 25.588,  
108.236

33, 92.822,  
302.862

28, 103.735,  
304.708

26, 110.831,  
305.892

25, 113.226,



# Harmonies

# Complementary

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



65, 28.404, 293.115



81, 26.779, 107.773

# Rectangle

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



65, 28.404, 293.115



65, 28.404, 343.115



65, 28.404, 113.115



65, 28.404, 163.115

# Sweetspot

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



65, 28.403, 293.114



94, 9.195, 290.903



79, 17.319, 198.158



50, 5.981, 290.968



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



65, 28.403, 293.114



75, 41.322, 293.924



67, 29.708, 310.257



39, 6.243, 291.151



19, 96.929, 306.287



1, 23.534, 292.448



# Inverse Universe

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



70, 33.354, 325.795



82, 47.890, 326.083



79, 28.705, 127.922



40, 7.538, 324.936



39, 83.706, 328.236

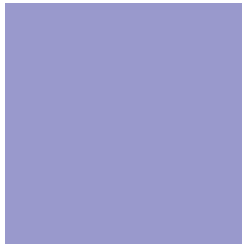


5, 29.040, 327.499



# Previews

## White Background



This preview shows how the CIELCh color 65, 28.404, 293.115 looks on a white background.

## Color Contrast Check

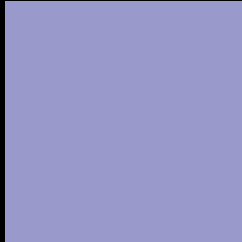
Large Text (above 18pt) WCAG AA × Fail

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 65, 28.404, 293.115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

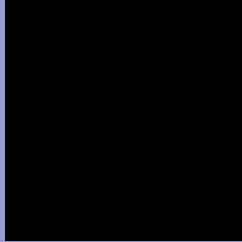
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 28.404, 293.115

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 28.404, 293.115.



This preview shows how white text looks on a background with the CIELCh color 65, 28.404, 293.115.

# 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

65, 28.404, 293.115

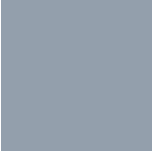
### Protanopia

65, 27.946, 285.018

### Deuteranopia

65, 27.289, 288.148





**Tritanopia**  
65, 8.338, 259.559

# Trichromacy



**Original Color**  
65, 28.404, 293.115

**Protanomaly**  
65, 27.861, 287.650

**Deuteranomaly**  
65, 27.828, 290.335

**Tritanomaly**  
65, 15.207, 281.121

# Monochromacy



**Original Color**  
65, 28.404, 293.115

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 10.008, 291.234

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 28.404, 293.115 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, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 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(153, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 204) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 28.404, 293.115 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, 153, 204) }
```

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

```
.border{ border-color:rgb(153, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
204) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 28.404, 293.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 204) }
```

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

```
.background{ background-color: rgb(153,  
153, 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](#).

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