

# Converting Colors

CIELCh(65, 17.017, 293.285)

Have a look what the booklet for  
CIELCh(65, 17.017, 293.285)  
contains.

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# Color

**CIELCh(65, 17.270, 293.155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C9BBA
RGB	156, 155, 186
RGB Percent	61%, 61%, 73%
CMY	0.3883, 0.3922, 0.2707
CMYK	0.16, 0.17, 0.00, 0.27
HSL	242°, 18%, 67%
HSV	242°, 17%, 73%
XYZ	34.2861, 34.0472, 51.2090
YIQ	158.8330, -9.3550, 9.8530

# Conversions

## Conversions Part 2

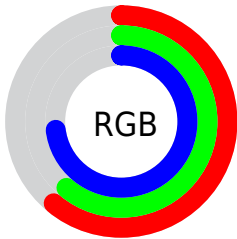
Format	Color
R <sub>Y</sub> B	156, 155, 186
Decimal	10263482
CIE Lab	65.00, 6.79, -15.88
CIE LCh	65, 17.270, 293.155
Yxy	34.0472, 0.2868, 0.2848
Android (android.graphics.Color)	4288453562 (0xFF9C9BBA)
YUV	158.8330, 13.3933, -2.4845
Hunter-Lab	58.3500, 2.7731, -11.1890

# Details

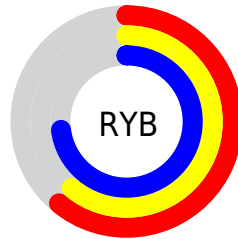
The CIELCh color `65, 17.270, 293.155` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `75, 16.628, 109.934`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 17.414, 293.880`, and `45, 17.333, 292.572` is the 20% darker color. If you saturate the color by 10%, you get `59, 28.203, 294.416`, and if you desaturate by 10%, it is `71, 6.775, 292.080`.

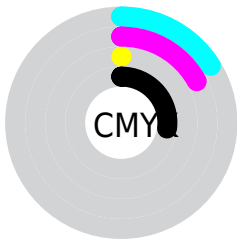
# Distribution



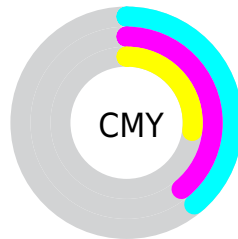
- Red (61%)
- Green (61%)
- Blue (73%)



- Red (61%)
- Yellow (61%)
- Blue (73%)



- Cyan (16%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)




- Cyan (39%)
- Magenta (39%)
- Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 17.270, 293.155 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, 17.270, 293.155 by changing the saturation by 10% instead.





 65, 17.270,  
293.155


 65, 17.270,  
293.155


 100, 17.270,  
293.155


 55, 17.270,  
293.155


 85, 17.270,  
293.155

 45, 17.270,  
293.155

 95, 17.270,  
293.155

 35, 17.270,  
293.155

 25, 17.270,  
293.155

 15, 17.270,  
293.155

 5, 17.270, 293.155

 0, 17.270, 293.155

65, 17.270,  
293.155

65, 17.270,  
293.155

59, 28.203,  
294.416

71, 6.775, 292.080

52, 39.603,  
295.890

78, 3.308, 111.141

46, 51.465,  
297.587

84, 13.011,  
110.371

40, 63.700,  
299.486

90, 22.362,  
109.706

34, 76.021,  
301.507

96, 31.386,  
109.134

29, 87.722,  
303.471

99, 34.698,  
107.535

25, 97.481,  
305.091

23, 103.739,

306.088

■ 22, 105.400,  
306.381

# Harmonies

# Complementary

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



65, 17.270, 293.155



75, 16.628, 109.934

# Rectangle

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



65, 17.270, 293.155



65, 17.270, 343.155



65, 17.270, 113.155



65, 17.270, 163.155

# Sweetspot

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



65, 17.268, 293.153



92, 6.281, 291.927



73, 10.819, 200.084



49, 4.325, 291.995



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



65, 17.268, 293.153



80, 25.878, 293.593



66, 18.225, 310.393



35, 5.725, 292.348



18, 92.327, 306.404



1, 15.391, 291.230



# Inverse Universe

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



68, 20.166, 326.217



84, 30.021, 326.421



74, 17.834, 128.917



36, 6.761, 325.802



36, 77.926, 329.536



3, 18.220, 325.970



# Previews

## White Background



This preview shows how the CIELCh color 65, 17.270, 293.155 looks on a white background.

## Color Contrast Check

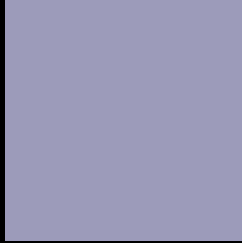
Large Text (above 18pt) WCAG AA × Fail

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, 17.270, 293.155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

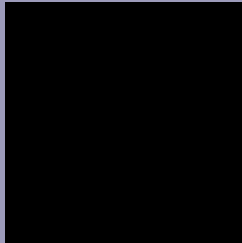
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

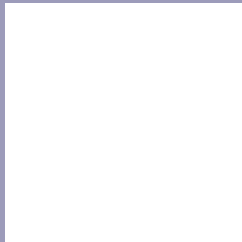
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 65, 17.270, 293.155

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 17.270, 293.155.



This preview shows how white text looks on a background with the CIELCh color 65, 17.270, 293.155.

# 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, 17.270, 293.155

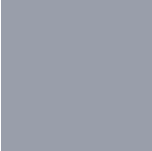
### Protanopia

65, 17.296, 286.201

### Deuteranopia

65, 17.946, 297.701





**Tritanopia**  
65, 6.884, 275.422

# Trichromacy



**Original Color**  
65, 17.270, 293.155

**Protanomaly**  
65, 17.254, 288.495

**Deuteranomaly**  
65, 17.911, 296.571

**Tritanomaly**  
65, 10.601, 285.420

# Monochromacy



**Original Color**  
65, 17.270, 293.155

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 6.113, 290.830

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 17.270, 293.155 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(156, 155, 186)` looks like.

```
.text, #text, p{  
    color:rgb(156, 155, 186)  
}
```

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(156, 155, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 155, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 17.270, 293.155 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(156, 155, 186) }
```

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

```
.border{ border-color:rgb(156, 155, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 155, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 155, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 155, 186);  
box-shadow:4px 4px 4px 4px rgb(156, 155,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 17.270, 293.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 155, 186) }
```

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

```
.background{ background-color: rgb(156,  
155, 186) }
```

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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