

# Converting Colors

CIELCh(50, 32.522, 333.982)

Have a look what the booklet for  
CIELCh(50, 32.522, 333.982)  
contains.

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**Color**

**CIELCh(50, 32.685, 334.031)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D6590
RGB	157, 101, 144
RGB Percent	62%, 40%, 56%
CMY	0.3852, 0.6047, 0.4362
CMYK	0.00, 0.36, 0.08, 0.39
HSL	314°, 22%, 51%
HSV	314°, 36%, 61%
XYZ	23.5108, 18.4187, 28.6136
YIQ	122.6460, 19.5730, 25.2450

# Conversions

## Conversions Part 2

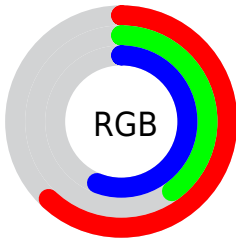
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	157, 101, 144
Decimal	10315152
CIE Lab	50.00, 29.38, -14.31
CIE LCh	50, 32.685, 334.031
Yxy	18.4187, 0.3333, 0.2611
Android (android.graphics.Color)	4288505232 (0xFF9D6590)
YUV	122.6460, 10.5275, 30.1285
Hunter-Lab	42.9170, 22.6814, -9.4879

# Details

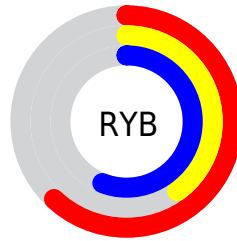
The CIELCh color **50, 32.685, 334.031** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **60, 32.495, 148.858**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 32.545, 333.719**, and **30, 33.081, 333.342** is the 20% darker color. If you saturate the color by 10%, you get **46, 41.382, 334.766**, and if you desaturate by 10%, it is **54, 23.602, 333.329**.

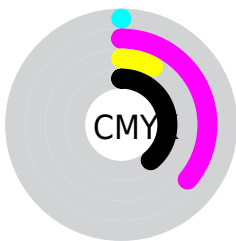
# Distribution



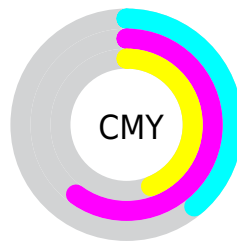
- Red (62%)
- Green (40%)
- Blue (56%)



- Red (62%)
- Yellow (40%)
- Blue (56%)



- Cyan (0%)
- Magenta (36%)
- Yellow (8%)
- Black (39%)




- Cyan (39%)
- Magenta (60%)
- Yellow (44%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 32.685, 334.031 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 50, 32.685, 334.031 by changing the saturation by 10% instead.





 50, 32.685,  
334.031


 50, 32.685,  
334.031


 100, 32.685,  
334.031


 40, 32.685,  
334.031


 70, 32.685,  
334.031

 30, 32.685,  
334.031


 80, 32.685,  
334.031


 20, 32.685,  
334.031

 90, 32.685,  
334.031

 10, 32.685,  
334.031

 0, 32.685, 334.031

 50, 32.685,  
334.031

 50, 32.685,  
334.031

46, 41.382,  
334.766

54, 23.602,  
333.329

43, 49.374,  
335.540

58, 14.382,  
332.652

40, 56.271,  
336.368

62, 5.193, 331.979

67, 3.854, 151.488

38, 61.665,  
337.274

71, 12.695,  
150.858

36, 65.229,  
338.292

75, 21.294,  
150.297

35, 66.878,  
339.464

80, 29.636,  
149.770

35, 67.351,  
339.988

84, 37.720,  
149.273

89, 45.555,  
148.804



# Harmonies

# Complementary

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



50, 32.685, 334.031



60, 32.495, 148.858

# Rectangle

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



50, 32.685, 334.031



50, 32.685, 24.031



50, 32.685, 154.031



50, 32.685, 204.031

# Sweetspot

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



50, 32.683, 334.031



76, 12.449, 332.353



46, 33.670, 301.540



39, 8.352, 332.435



91, 0.011, 296.813



43, 0.006, 296.813





# Same Dimension

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



50, 32.683, 334.031



61, 48.376, 334.626



49, 24.852, 1.195



31, 5.193, 332.222



32, 62.989, 339.871



1, 6.585, 332.959



# Inverse Universe

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



50, 32.683, 334.031



61, 48.376, 334.626



61, 22.242, 173.620



31, 5.193, 332.222



32, 62.989, 339.871

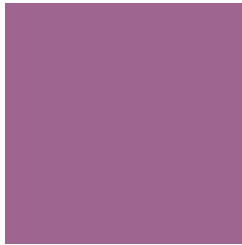


1, 6.585, 332.959



# Previews

## White Background



This preview shows how the CIELCh color 50, 32.685, 334.031 looks on a white background.

## Color Contrast Check

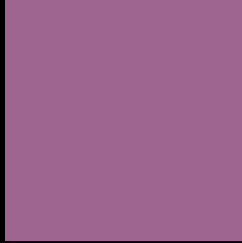
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 32.685, 334.031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

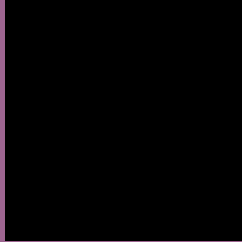
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 32.685, 334.031

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 32.685, 334.031.



This preview shows how white text looks on a background with the CIELCh color 50, 32.685, 334.031.

# 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

50, 32.685, 334.031

### Protanopia

50, 22.341, 285.034

### Deuteranopia

50, 14.120, 296.517





**Tritanopia**  
50, 20.306, 7.235

# Trichromacy



**Original Color**  
50, 32.685, 334.031

**Protanomaly**  
50, 24.100, 305.216

**Deuteranomaly**  
50, 20.072, 316.936

**Tritanomaly**  
50, 23.537, 351.460

# Monochromacy



**Original Color**  
50, 32.685, 334.031

**Achromatopsia**  
51, 0.007, 296.813

**Achromatomaly**  
50, 12.548, 332.854

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 32.685, 334.031 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(157, 101, 144)` looks like.

```
.text, #text, p{  
    color:rgb(157, 101, 144)  
}
```

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(157, 101, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 101, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 32.685, 334.031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

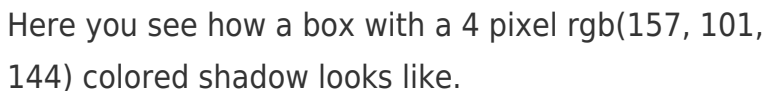
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 101, 144) }
```

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

```
.border{ border-color:rgb(157, 101, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 101, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 101, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 101, 144);  
box-shadow:4px 4px 4px 4px rgb(157, 101,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 32.685, 334.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 101, 144) }
```

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

```
.background{ background-color: rgb(157,  
101, 144) }
```

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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