

# Converting Colors

CIELCh(50, 51.162, 331.249)

Have a look what the booklet for  
CIELCh(50, 51.162, 331.249)  
contains.

<b>CIELCh(50, 51.303, 331.104)</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(50, 51.303, 331.104)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD58A2
RGB	173, 88, 162
RGB Percent	68%, 35%, 64%
CMY	0.3223, 0.6555, 0.3654
CMYK	0.00, 0.49, 0.06, 0.32
HSL	308°, 34%, 51%
HSV	308°, 49%, 68%
XYZ	27.1765, 18.4187, 36.2249
YIQ	121.8510, 26.9060, 41.0340

# Conversions

## Conversions Part 2

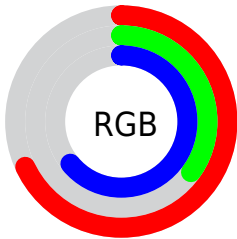
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 88, 162
Decimal	11360418
CIE <sub>Lab</sub>	50.00, 44.92, -24.79
CIE <sub>LCh</sub>	50, 51.303, 331.104
Yxy	18.4187, 0.3321, 0.2251
Android (android.graphics.Color)	4289550498 (0xFFAD58A2)
YUV	121.8510, 19.7935, 44.8577
Hunter-Lab	42.9170, 37.9276, -20.0031

# Details

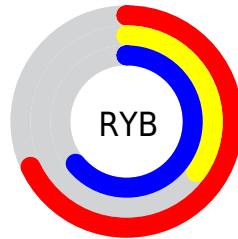
The CIELCh color **50, 51.303, 331.104** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **64, 51.535, 144.038**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 51.129, 331.096**, and **30, 51.167, 330.961** is the 20% darker color. If you saturate the color by 10%, you get **47, 60.105, 331.698**, and if you desaturate by 10%, it is **54, 41.507, 330.502**.

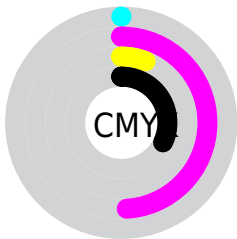
# Distribution



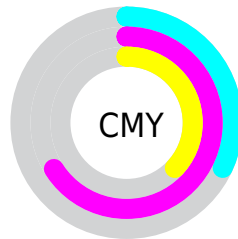
- Red (68%)
- Green (35%)
- Blue (64%)



- Red (68%)
- Yellow (35%)
- Blue (64%)



- Cyan (0%)
- Magenta (49%)
- Yellow (6%)
- Black (32%)




- Cyan (32%)
- Magenta (66%)
- Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 51.303, 331.104 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, 51.303, 331.104 by changing the saturation by 10% instead.





 50, 51.303,  
331.104


 50, 51.303,  
331.104


 100, 51.303,  
331.104


 40, 51.303,  
331.104


 70, 51.303,  
331.104

 30, 51.303,  
331.104


 80, 51.303,  
331.104


 20, 51.303,  
331.104

 90, 51.303,  
331.104

 10, 51.303,  
331.104

 0, 51.303, 331.104

 50, 51.303,  
331.104

 50, 51.303,  
331.104

47, 60.105,  
331.698

54, 41.507,  
330.502

44, 67.475,  
332.284

58, 31.120,  
329.896

42, 72.996,  
332.866

62, 20.455,  
329.291

41, 76.400,  
333.457

66, 9.743, 328.686

40, 77.945,  
334.072

71, 0.862, 148.437

40, 78.054,  
334.123

76, 11.259,  
147.601

80, 21.391,  
147.056

85, 31.231,  
146.541

90, 40.769,  
146.055



# Harmonies

# Complementary

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



50, 51.303, 331.104



64, 51.535, 144.038

# Rectangle

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



50, 51.303, 331.104



50, 51.303, 21.104



50, 51.303, 151.104



50, 51.303, 201.104

# Sweetspot

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



50, 51.301, 331.104



81, 19.763, 329.055



42, 51.310, 300.241



42, 13.477, 329.178



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



50, 51.301, 331.104



60, 73.895, 331.749



48, 38.508, 356.422



34, 6.029, 328.694



34, 70.561, 334.048



2, 12.205, 329.904



# Inverse Universe

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



50, 51.301, 331.104



60, 73.895, 331.749



65, 34.824, 165.198



34, 6.029, 328.694



34, 70.561, 334.048



2, 12.205, 329.904



# Previews

## White Background



This preview shows how the CIELCh color 50, 51.303, 331.104 looks on a white background.

## Color Contrast Check

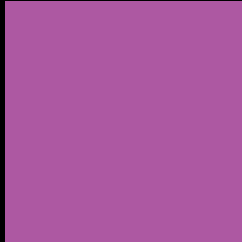
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 50, 51.303, 331.104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

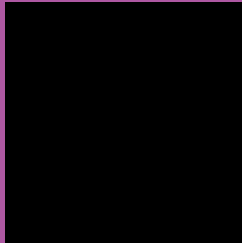
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 51.303, 331.104

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 51.303, 331.104.

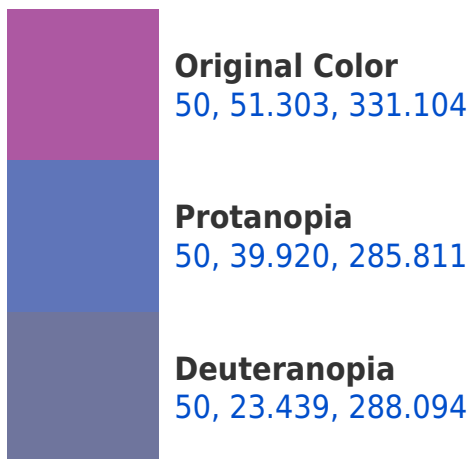


This preview shows how white text looks on a background with the CIELCh color 50, 51.303, 331.104.

# 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







**Tritanopia**  
50, 28.917, 14.239

# Trichromacy



**Original Color**  
50, 51.303, 331.104



**Protanomaly**  
49, 42.161, 302.748



**Deuteranomaly**  
49, 32.674, 310.981



**Tritanomaly**  
50, 34.129, 351.777

# Monochromacy



**Original Color**  
50, 51.303, 331.104



**Achromatopsia**  
51, 0.007, 296.813



**Achromatomaly**  
50, 19.203, 329.535

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 51.303, 331.104 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(173, 88, 162)` looks like.

```
.text, #text, p{  
    color:rgb(173, 88, 162)  
}
```

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(173, 88, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 88, 162) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 51.303, 331.104 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(173, 88, 162) }
```

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

```
.border{ border-color:rgb(173, 88, 162) }
```

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

Here you see how a box with a 4 pixel rgb(173, 88, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 88, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 88, 162);  
box-shadow:4px 4px 4px 4px rgb(173, 88,  
162) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 51.303, 331.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 88, 162) }
```

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

```
.background{ background-color: rgb(173, 88,  
162) }
```

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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