

# Converting Colors

CIELCh(50, 23.080, 325.527)

Have a look what the booklet for  
CIELCh(50, 23.080, 325.527)  
contains.

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**Color**

**CIELCh(50, 23.110, 325.673)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8D6C8D
RGB	141, 108, 141
RGB Percent	55%, 42%, 55%
CMY	0.4457, 0.5752, 0.4457
CMYK	0.00, 0.23, 0.00, 0.45
HSL	300°, 13%, 49%
HSV	300°, 23%, 55%
XYZ	21.2714, 18.4187, 27.7643
YIQ	121.6290, 9.0750, 17.2590

# Conversions

## Conversions Part 2

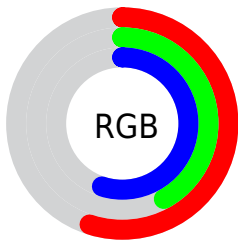
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 108, 141
Decimal	9268365
CIE <sub>Lab</sub>	50.00, 19.08, -13.03
CIE <sub>LCh</sub>	50, 23.110, 325.673
Yxy	18.4187, 0.3153, 0.2731
Android (android.graphics.Color)	4287458445 (0xFF8D6C8D)
YUV	121.6290, 9.5499, 16.9884
Hunter-Lab	42.9170, 13.3671, -8.3146

# Details

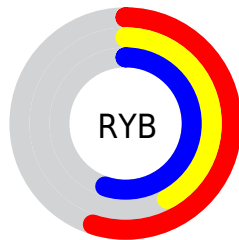
The CIELCh color  $50, 23.110, 325.673$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $56, 23.096, 142.960$ , and the grayscale version is  $51, 0.007, 296.813$ .

A 20% lighter version of the original color is  $70, 23.075, 325.408$ , and  $30, 23.215, 325.213$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 32.902, 326.189$ , and if you desaturate by 10%, it is  $54, 13.185, 325.138$ .

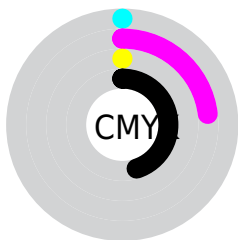
# Distribution



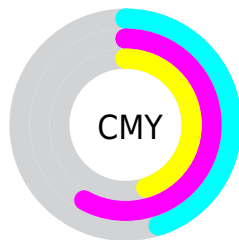
- Red (55%)
- Green (42%)
- Blue (55%)



- Red (55%)
- Yellow (42%)
- Blue (55%)



- Cyan (0%)
- Magenta (23%)
- Yellow (0%)
- Black (45%)




- Cyan (45%)
- Magenta (58%)
- Yellow (45%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 23.110, 325.673 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, 23.110, 325.673 by changing the saturation by 10% instead.





 50, 23.110,  
325.673


 50, 23.110,  
325.673


 100, 23.110,  
325.673


 40, 23.110,  
325.673


 70, 23.110,  
325.673

 30, 23.110,  
325.673


 80, 23.110,  
325.673


 20, 23.110,  
325.673

 90, 23.110,  
325.673

 10, 23.110,  
325.673

 0, 23.110, 325.673

 50, 23.110,  
325.673

 50, 23.110,  
325.673

47, 32.902,  
326.189

54, 13.185,  
325.138

43, 42.336,  
326.676

57, 3.297, 324.562

40, 51.114,  
327.118

61, 6.441, 144.129

38, 58.886,  
327.499

65, 15.960,  
143.600

36, 65.296,  
327.807

69, 25.220,  
143.105

35, 70.053,  
328.031

73, 34.200,  
142.635

34, 73.024,  
328.169

78, 42.897,  
142.191

33, 74.482,  
328.236

82, 51.314,  
141.774

86, 59.460,  
141.384



# Harmonies

# Complementary

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



50, 23.110, 325.673



56, 23.096, 142.960

# Rectangle

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



50, 23.110, 325.673



50, 23.110, 15.673



50, 23.110, 145.673



50, 23.110, 195.673

# Sweetspot

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



50, 23.108, 325.673



71, 8.526, 324.795



47, 19.582, 292.794



37, 5.522, 324.822



88, 0.010, 296.813



39, 0.006, 296.813





# Same Dimension

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



50, 23.108, 325.673



62, 34.265, 325.946



49, 16.435, 345.660



28, 5.608, 324.910



32, 72.098, 328.236



1, 3.767, 324.441



# Inverse Universe

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



50, 23.108, 325.673



62, 34.265, 325.946



56, 15.977, 161.642



28, 5.608, 324.910



32, 72.098, 328.236

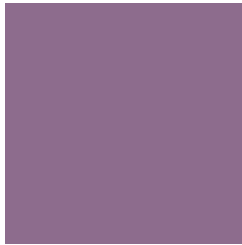


1, 3.767, 324.441



# Previews

## White Background



This preview shows how the CIELCh color 50, 23.110, 325.673 looks on a white background.

## Color Contrast Check

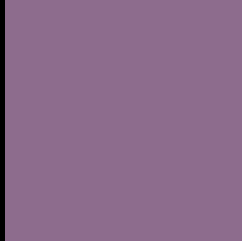
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 50, 23.110, 325.673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

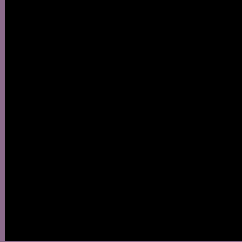
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 23.110, 325.673

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 23.110, 325.673.



This preview shows how white text looks on a background with the CIELCh color 50, 23.110, 325.673.

# 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, 23.110, 325.673

### Protanopia

50, 17.627, 285.437

### Deuteranopia

50, 14.228, 299.543





**Tritanopia**  
50, 11.843, 354.623

# Trichromacy



**Original Color**  
50, 23.110, 325.673

**Protanomaly**  
50, 19.127, 302.514

**Deuteranomaly**  
50, 16.903, 311.807

**Tritanomaly**  
50, 14.971, 339.805

# Monochromacy



**Original Color**  
50, 23.110, 325.673

**Achromatopsia**  
51, 0.007, 296.813

**Achromatomaly**  
51, 8.503, 324.909

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 23.110, 325.673 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(141, 108, 141)` looks like.

```
.text, #text, p{  
    color:rgb(141, 108, 141)  
}
```

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(141, 108, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 108, 141) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 23.110, 325.673 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(141, 108, 141) }
```

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

```
.border{ border-color:rgb(141, 108, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 108, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 108, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 108, 141);  
box-shadow:4px 4px 4px 4px rgb(141, 108,  
141) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 23.110, 325.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 108, 141) }
```

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

```
.background{ background-color: rgb(141,  
108, 141) }
```

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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