

# Converting Colors

CIELCh(50, 29.061, 322.544)

Have a look what the booklet for  
CIELCh(50, 29.061, 322.544)  
contains.

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**Color**

**CIELCh(50, 28.888, 322.586)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	906A95
RGB	144, 106, 149
RGB Percent	56%, 42%, 58%
CMY	0.4351, 0.5842, 0.4155
CMYK	0.03, 0.29, 0.00, 0.42
HSL	293°, 17%, 50%
HSV	293°, 29%, 58%
XYZ	22.0931, 18.4187, 30.8394
YIQ	122.2640, 8.8450, 21.4290

# Conversions

## Conversions Part 2

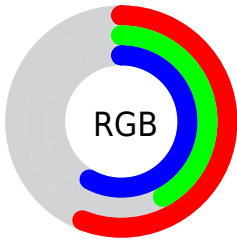
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 106, 149
Decimal	9464469
CIELab	50.00, 22.94, -17.55
CIELCh	50, 28.888, 322.586
Yxy	18.4187, 0.3096, 0.2581
Android (android.graphics.Color)	4287654549 (0xFF906A95)
YUV	122.2640, 13.1808, 19.0625
Hunter-Lab	42.9170, 16.7848, -12.5630

# Details

The CIELCh color  $50, 28.888, 322.586$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $58, 28.690, 139.621$ , and the grayscale version is  $51, 0.007, 296.813$ .

A 20% lighter version of the original color is  $70, 28.561, 322.454$ , and  $30, 28.826, 322.771$  is the 20% darker color. If you saturate the color by 10%, you get  $46, 38.788, 323.025$ , and if you desaturate by 10%, it is  $54, 18.827, 322.122$ .

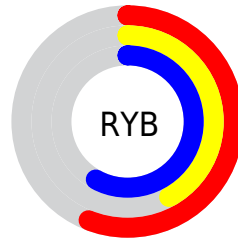
# Distribution



Red (56%)

Green (42%)

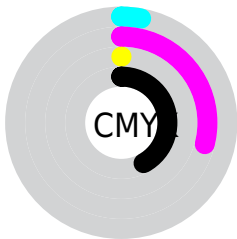
Blue (58%)



Red (56%)

Yellow (42%)

Blue (58%)

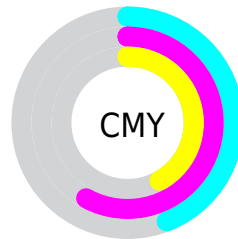


Cyan (3%)

Magenta (29%)

Yellow (0%)

Black (42%)



Cyan (44%)

Magenta (58%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 28.888, 322.586 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, 28.888, 322.586 by changing the saturation by 10% instead.




 50, 28.888,  
322.586


 50, 28.888,  
322.586

 100, 28.888,  
322.586

 40, 28.888,  
322.586


 70, 28.888,  
322.586

 30, 28.888,  
322.586


 80, 28.888,  
322.586

 20, 28.888,  
322.586

 90, 28.888,  
322.586

 10, 28.888,  
322.586

 0, 28.888, 322.586

 50, 28.888,  
322.586

 50, 28.888,  
322.586

46, 38.788,  
323.025

54, 18.827,  
322.122

43, 48.285,  
323.420

58, 8.786, 321.644

40, 57.052,  
323.746

62, 1.121, 141.368

37, 64.698,  
323.974

66, 10.823,  
140.772

35, 70.821,  
324.075

71, 20.277,  
140.336

33, 75.106,  
324.024

75, 29.465,  
139.929

32, 77.765,  
323.838

79, 38.380,  
139.549

32, 78.057,  
323.817

84, 47.024,  
139.196

88, 55.407,  
138.869



# Harmonies

# Complementary

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



50, 28.888, 322.586



58, 28.690, 139.621

# Rectangle

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



50, 28.888, 322.586



50, 28.888, 12.586



50, 28.888, 142.586



50, 28.888, 192.586

# Sweetspot

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



50, 28.886, 322.586



74, 11.069, 321.660



48, 22.451, 288.666



38, 7.677, 321.724



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



50, 28.886, 322.586



61, 43.354, 322.891



50, 22.916, 340.104



29, 5.574, 321.660



29, 73.679, 323.847



1, 4.842, 321.251



# Inverse Universe

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



49, 18.402, 12.721



60, 28.157, 13.702



58, 22.504, 155.483



29, 3.377, 10.523



28, 61.272, 33.759

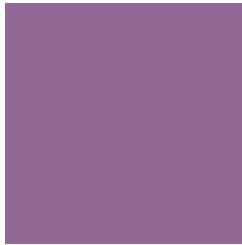


1, 2.875, 9.829



# Previews

## White Background



This preview shows how the CIELCh color 50, 28.888, 322.586 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, 28.888, 322.586 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, 28.888, 322.586**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 50, 28.888, 322.586.



This preview shows how white text looks on a background with the CIELCh color 50, 28.888, 322.586.

# 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, 28.888, 322.586

### Protanopia

50, 23.525, 284.822

### Deuteranopia

50, 17.565, 292.417





**Tritanopia**  
50, 12.392, 358.914

# Trichromacy



**Original Color**  
50, 28.888, 322.586

**Protanomaly**  
50, 24.219, 299.071

**Deuteranomaly**  
50, 21.242, 306.756

**Tritanomaly**  
50, 17.368, 336.743

# Monochromacy



**Original Color**  
50, 28.888, 322.586

**Achromatopsia**  
51, 0.007, 296.813

**Achromatomaly**  
51, 10.890, 321.541

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 28.888, 322.586 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(144, 106, 149)` looks like.

```
.text, #text, p{  
    color:rgb(144, 106, 149)  
}
```

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(144, 106, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 106, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 28.888, 322.586 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(144, 106, 149) }
```

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

```
.border{ border-color:rgb(144, 106, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 106, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 106, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 106, 149);  
box-shadow:4px 4px 4px 4px rgb(144, 106,  
149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 28.888, 322.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 106, 149) }
```

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

```
.background{ background-color: rgb(144,  
106, 149) }
```

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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