

# Converting Colors

CIELCh(50, 27.013, 327.104)

Have a look what the booklet for  
CIELCh(50, 27.013, 327.104)  
contains.

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**Color**

**CIELCh(50, 26.900, 327.297)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	926A90
RGB	146, 106, 144
RGB Percent	57%, 42%, 56%
CMY	0.4276, 0.5845, 0.4355
CMYK	0.00, 0.27, 0.01, 0.43
HSL	303°, 16%, 49%
HSV	303°, 27%, 57%
XYZ	22.0266, 18.4187, 28.7622
YIQ	122.2920, 11.6420, 20.2980

# Conversions

## Conversions Part 2

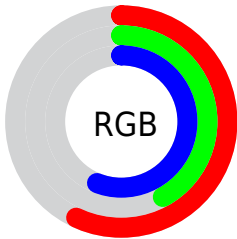
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	146, 106, 144
Decimal	9595536
CIE Lab	50.00, 22.64, -14.53
CIE LCh	50, 26.900, 327.297
Yxy	18.4187, 0.3183, 0.2661
Android (android.graphics.Color)	4287785616 (0xFF926A90)
YUV	122.2920, 10.7020, 20.7919
Hunter-Lab	42.9170, 16.5081, -9.6932

# Details

The CIELCh color  $50, 26.900, 327.297$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $57, 26.883, 143.973$ , and the grayscale version is  $51, 0.007, 296.813$ .

A 20% lighter version of the original color is  $70, 26.701, 326.905$ , and  $30, 27.140, 327.148$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 36.513, 327.834$ , and if you desaturate by 10%, it is  $54, 17.073, 326.746$ .

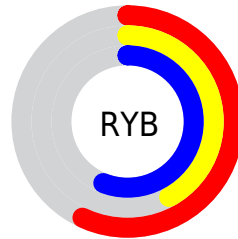
# Distribution



Red (57%)

Green (42%)

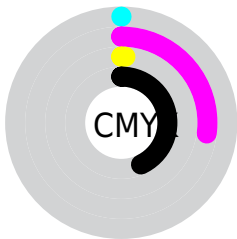
Blue (56%)



Red (57%)

Yellow (42%)

Blue (56%)

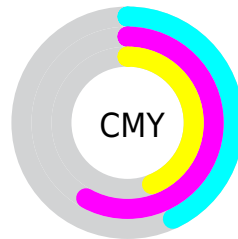


Cyan (0%)

Magenta (27%)

Yellow (1%)

Black (43%)



Cyan (43%)

Magenta (58%)


Yellow (44%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 26.900, 327.297 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, 26.900, 327.297 by changing the saturation by 10% instead.





 50, 26.900,  
327.297


 50, 26.900,  
327.297


 100, 26.900,  
327.297


 40, 26.900,  
327.297


 70, 26.900,  
327.297

 30, 26.900,  
327.297


 80, 26.900,  
327.297


 20, 26.900,  
327.297

 90, 26.900,  
327.297

 10, 26.900,  
327.297

 0, 26.900, 327.297

 50, 26.900,  
327.297

 50, 26.900,  
327.297

47, 36.513,  
327.834

54, 17.073,  
326.746

43, 45.656,  
328.347

58, 7.228, 326.181

40, 54.001,  
328.823

62, 2.506, 145.756

38, 61.175,  
329.253

66, 12.045,  
145.162

36, 66.821,  
329.628

70, 21.338,  
144.646

35, 70.683,  
329.946

74, 30.363,  
144.158

34, 72.873,  
330.217

78, 39.110,  
143.695

34, 73.375,  
330.285

82, 47.580,  
143.259

87, 55.784,  
142.849



# Harmonies

# Complementary

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



50, 26.900, 327.297



57, 26.883, 143.973

# Rectangle

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



50, 26.900, 327.297



50, 26.900, 17.297



50, 26.900, 147.297



50, 26.900, 197.297

# Sweetspot

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



50, 26.898, 327.297



73, 9.636, 326.226



46, 23.802, 295.046



37, 6.832, 326.305



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



50, 26.898, 327.297



61, 39.838, 327.636



49, 19.265, 348.997



29, 5.582, 326.286



32, 70.343, 330.274



1, 4.855, 325.805



# Inverse Universe

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



50, 26.898, 327.297



61, 39.838, 327.636



57, 18.472, 163.941



29, 5.582, 326.286



32, 70.343, 330.274

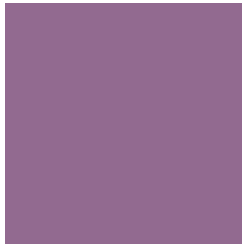


1, 4.855, 325.805



# Previews

## White Background



This preview shows how the CIELCh color 50, 26.900, 327.297 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, 26.900, 327.297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

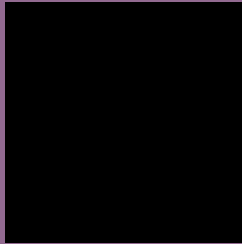
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 50, 26.900, 327.297**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 50, 26.900, 327.297.



This preview shows how white text looks on a background with the CIELCh color 50, 26.900, 327.297.

# 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, 26.900, 327.297


### Protanopia

50, 20.005, 284.663

### Deuteranopia

50, 15.343, 297.681





**Tritanopia**  
50, 13.979, 1.767

# Trichromacy



**Original Color**  
50, 26.900, 327.297

**Protanomaly**  
50, 20.850, 301.794

**Deuteranomaly**  
50, 19.360, 311.681

**Tritanomaly**  
50, 17.856, 343.421

# Monochromacy



**Original Color**  
50, 26.900, 327.297

**Achromatopsia**  
51, 0.007, 296.813

**Achromatomaly**  
51, 10.140, 326.889

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 26.900, 327.297 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(146, 106, 144)` looks like.

```
.text, #text, p{  
    color:rgb(146, 106, 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(146, 106, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 106, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 26.900, 327.297 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(146, 106, 144) }
```

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

```
.border{ border-color:rgb(146, 106, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 106, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 106, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 106, 144);  
box-shadow:4px 4px 4px 4px rgb(146, 106,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 26.900, 327.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 106, 144) }
```

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

```
.background{ background-color: rgb(146,  
106, 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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