

# Converting Colors

CIELCh(50, 30.138, 330.526)

Have a look what the booklet for  
CIELCh(50, 30.138, 330.526)  
contains.

<b>CIELCh(50, 30.437, 329.889)</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, 30.437, 329.889)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	976791
RGB	151, 103, 145
RGB Percent	59%, 40%, 57%
CMY	0.4067, 0.5950, 0.4302
CMYK	0.00, 0.32, 0.04, 0.41
HSL	308°, 19%, 50%
HSV	308°, 32%, 59%
XYZ	22.8309, 18.4187, 29.2598
YIQ	122.1400, 15.1260, 23.2380

# Conversions

## Conversions Part 2

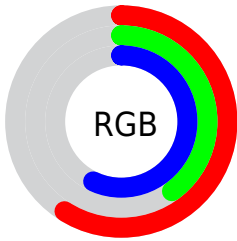
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 103, 145
Decimal	9922449
CIE <sub>Lab</sub>	50.00, 26.33, -15.27
CIE <sub>LCh</sub>	50, 30.437, 329.889
Yxy	18.4187, 0.3238, 0.2612
Android (android.graphics.Color)	4288112529 (0xFF976791)
YUV	122.1400, 11.2700, 25.3102
Hunter-Lab	42.9170, 19.8536, -10.3807

# Details

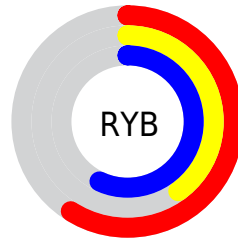
The CIELCh color **50, 30.437, 329.889** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **58, 30.391, 145.765**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 30.323, 329.908**, and **30, 30.043, 330.143** is the 20% darker color. If you saturate the color by 10%, you get **46, 39.691, 330.484**, and if you desaturate by 10%, it is **54, 20.875, 329.293**.

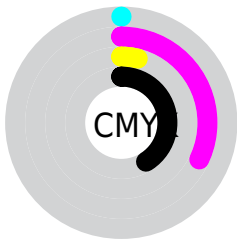
# Distribution



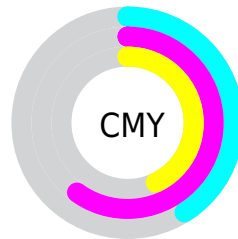
- Red (59%)
- Green (40%)
- Blue (57%)



- Red (59%)
- Yellow (40%)
- Blue (57%)



- Cyan (0%)
- Magenta (32%)
- Yellow (4%)
- Black (41%)




- Cyan (41%)
- Magenta (60%)
- Yellow (43%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 30.437, 329.889 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, 30.437, 329.889 by changing the saturation by 10% instead.





 50, 30.437,  
329.889


 50, 30.437,  
329.889


 100, 30.437,  
329.889


 40, 30.437,  
329.889


 70, 30.437,  
329.889

 30, 30.437,  
329.889


 80, 30.437,  
329.889


 20, 30.437,  
329.889

 90, 30.437,  
329.889

 10, 30.437,  
329.889

 0, 30.437, 329.889

 50, 30.437,  
329.889

 50, 30.437,  
329.889

46, 39.691,  
330.484

54, 20.875,  
329.293

43, 48.350,  
331.073

58, 11.231,  
328.698

40, 56.050,  
331.651

62, 1.654, 328.004

66, 7.757, 147.621

38, 62.400,  
332.219

70, 16.943,  
147.070

36, 67.052,  
332.781

75, 25.873,  
146.554

35, 69.803,  
333.352

79, 34.536,  
146.066

35, 71.082,  
333.833

83, 42.930,  
145.604

88, 51.065,  
145.169



# Harmonies

# Complementary

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



50, 30.437, 329.889



58, 30.391, 145.765

# Rectangle

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



50, 30.437, 329.889



50, 30.437, 19.889



50, 30.437, 149.889



50, 30.437, 199.889

# Sweetspot

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



50, 30.435, 329.889



74, 11.825, 328.606



46, 28.703, 297.823



39, 8.137, 328.683



90, 0.011, 296.813



42, 0.006, 296.813





# Same Dimension

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



50, 30.435, 329.889



61, 44.841, 330.307



49, 22.252, 353.723



30, 5.450, 328.548



32, 67.297, 333.790



1, 5.808, 328.422



# Inverse Universe

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



50, 30.435, 329.889



61, 44.841, 330.307



59, 20.836, 167.401



30, 5.450, 328.548



32, 67.297, 333.790

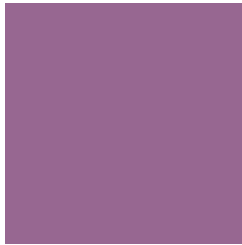


1, 5.808, 328.422



# Previews

## White Background



This preview shows how the CIELCh color 50, 30.437, 329.889 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, 30.437, 329.889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

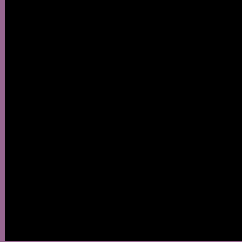
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 50, 30.437, 329.889**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 50, 30.437, 329.889.



This preview shows how white text looks on a background with the CIELCh color 50, 30.437, 329.889.

# 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, 30.437, 329.889

### Protanopia

50, 22.341, 285.034

### Deuteranopia

50, 15.258, 294.897





**Tritanopia**  
50, 16.843, 5.601

# Trichromacy



**Original Color**  
50, 30.437, 329.889

**Protanomaly**  
50, 23.295, 302.833

**Deuteranomaly**  
50, 20.153, 313.210

**Tritanomaly**  
50, 20.475, 347.535

# Monochromacy



**Original Color**  
50, 30.437, 329.889

**Achromatopsia**  
51, 0.007, 296.813

**Achromatomaly**  
51, 11.330, 330.164

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 30.437, 329.889 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(151, 103, 145)` looks like.

```
.text, #text, p{  
    color:rgb(151, 103, 145)  
}
```

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(151, 103, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 103, 145) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 30.437, 329.889 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(151, 103, 145) }
```

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

```
.border{ border-color:rgb(151, 103, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 103, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 103, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 103, 145); box-shadow:4px 4px 4px 4px rgb(151, 103, 145) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 30.437, 329.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 103, 145) }
```

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

```
.background{ background-color: rgb(151,  
103, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor