

# Converting Colors

CIELCh(52, 30.915, 322.196)

Have a look what the booklet for  
CIELCh(52, 30.915, 322.196)  
contains.

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**Color**

**CIELCh(52, 31.185, 322.301)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	976E9D
RGB	151, 110, 157
RGB Percent	59%, 43%, 62%
CMY	0.4081, 0.5688, 0.3846
CMYK	0.04, 0.30, 0.00, 0.38
HSL	292°, 19%, 52%
HSV	292°, 30%, 62%
XYZ	24.4006, 20.1443, 34.4720
YIQ	127.6170, 9.3490, 23.3090

# Conversions

## Conversions Part 2

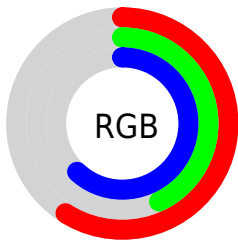
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 110, 157
Decimal	9924253
CIE <sub>Lab</sub>	52.00, 24.67, -19.07
CIE <sub>LCh</sub>	52, 31.185, 322.301
Yxy	20.1443, 0.3088, 0.2549
Android (android.graphics.Color)	4288114333 (0xFF976E9D)
YUV	127.6170, 14.4858, 20.5069
Hunter-Lab	44.8824, 18.4983, -14.1201

# Details

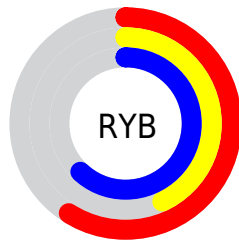
The CIELCh color  $52, 31.185, 322.301$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $61, 30.940, 139.239$ , and the grayscale version is  $53, 0.007, 296.813$ .

A 20% lighter version of the original color is  $72, 31.416, 322.262$ , and  $32, 31.033, 321.777$  is the 20% darker color. If you saturate the color by 10%, you get  $48, 41.463, 322.734$ , and if you desaturate by 10%, it is  $56, 20.723, 321.842$ .

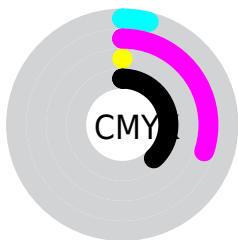
# Distribution



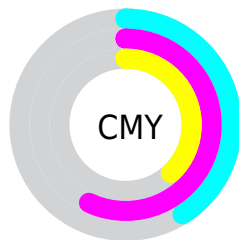
- Red (59%)
- Green (43%)
- Blue (62%)



- Red (59%)
- Yellow (43%)
- Blue (62%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (38%)




- Cyan (41%)
- Magenta (57%)
- Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 31.185, 322.301 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 52, 31.185, 322.301 by changing the saturation by 10% instead.





 52, 31.185,  
322.301


 52, 31.185,  
322.301


 100, 31.185,  
322.301


 42, 31.185,  
322.301


 72, 31.185,  
322.301

 32, 31.185,  
322.301

 82, 31.185,  
322.301

 22, 31.185,  
322.301

 92, 31.185,  
322.301

 12, 31.185,  
322.301

 2, 31.185, 322.301

 0, 31.185, 322.301

52, 31.185,  
322.301

52, 31.185,  
322.301

48, 41.463,  
322.734

56, 20.723,  
321.842

44, 51.295,  
323.118

60, 10.270,  
321.368

41, 60.328,  
323.428

65, 0.050, 144.752

38, 68.146,  
323.633

69, 10.158,  
140.501

36, 74.324,  
323.702

74, 20.012,  
140.066

35, 78.545,  
323.607

78, 29.588,  
139.661


33, 81.156,  
323.379

83, 38.880,  
139.283

33, 81.170,

87, 47.891,  
138.933

323.378

 92, 56.629,  
138.610

# Harmonies

# Complementary

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



52, 31.185, 322.301



61, 30.940, 139.239

# Rectangle

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



52, 31.185, 322.301



52, 31.185, 12.301



52, 31.185, 142.301



52, 31.185, 192.301

# Sweetspot

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



52, 31.183, 322.301



77, 11.502, 321.331



50, 23.893, 288.056



40, 7.982, 321.397



91, 0.011, 296.813



43, 0.006, 296.813





# Same Dimension

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



52, 31.183, 322.301



63, 46.351, 322.597



52, 25.088, 339.412



31, 5.872, 321.335



30, 75.746, 323.416



1, 7.573, 320.210



# Inverse Universe

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



51, 20.003, 12.008



62, 30.284, 13.009



61, 24.669, 154.640



31, 3.579, 9.629



29, 62.572, 33.242

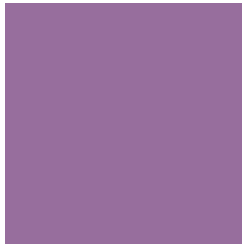


1, 4.552, 9.441



# Previews

## White Background



This preview shows how the CIELCh color 52, 31.185, 322.301 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 52, 31.185, 322.301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

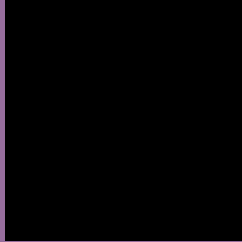
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 52, 31.185, 322.301

## Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.185, 322.301.



This preview shows how white text looks on a background with the CIELCh color 52, 31.185, 322.301.

# 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

52, 31.185, 322.301

### Protanopia

52, 25.103, 284.791

### Deuteranopia

52, 19.170, 291.482





**Tritanopia**  
52, 13.272, 357.981

# Trichromacy



**Original Color**  
52, 31.185, 322.301

**Protanomaly**  
52, 26.412, 299.439

**Deuteranomaly**  
52, 22.771, 305.722

**Tritanomaly**  
52, 18.875, 336.868

# Monochromacy



**Original Color**  
52, 31.185, 322.301

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
53, 12.001, 320.354

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 31.185, 322.301 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, 110, 157)` looks like.

```
.text, #text, p{  
    color:rgb(151, 110, 157)  
}
```

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, 110, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 110, 157) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 31.185, 322.301 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, 110, 157) }
```

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

```
.border{ border-color:rgb(151, 110, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 110, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 110, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 110, 157);  
box-shadow:4px 4px 4px 4px rgb(151, 110,  
157) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 31.185, 322.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 110, 157) }
```

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

```
.background{ background-color: rgb(151,  
110, 157) }
```

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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