

# Converting Colors

CIELCh(53, 32.108, 327.064)

Have a look what the booklet for  
CIELCh(53, 32.108, 327.064)  
contains.

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**Color**

**CIELCh(53, 31.929, 327.216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F6F9D
RGB	159, 111, 157
RGB Percent	62%, 44%, 62%
CMY	0.3779, 0.5661, 0.3858
CMYK	0.00, 0.30, 0.01, 0.38
HSL	302°, 20%, 53%
HSV	302°, 30%, 62%
XYZ	25.9237, 21.0462, 34.4287
YIQ	130.5960, 13.8420, 24.4820

# Conversions

## Conversions Part 2

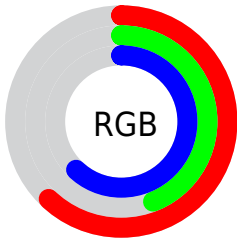
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 111, 157
Decimal	10448797
CIE <sub>Lab</sub>	53.00, 26.84, -17.29
CIE <sub>LCh</sub>	53, 31.929, 327.216
Yxy	21.0462, 0.3185, 0.2586
Android (android.graphics.Color)	4288638877 (0xFF9F6F9D)
YUV	130.5960, 13.0172, 24.9103
Hunter-Lab	45.8761, 20.5836, -12.3821

# Details

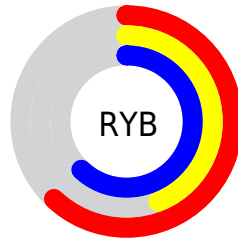
The CIELCh color **53, 31.929, 327.216** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **61, 31.923, 143.483**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 32.200, 326.827**, and **33, 32.309, 327.188** is the 20% darker color. If you saturate the color by 10%, you get **49, 42.152, 327.744**, and if you desaturate by 10%, it is **57, 21.395, 326.669**.

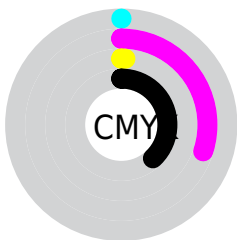
# Distribution



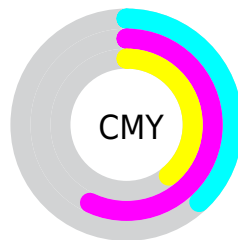
- Red (62%)
- Green (44%)
- Blue (62%)



- Red (62%)
- Yellow (44%)
- Blue (62%)



- Cyan (0%)
- Magenta (30%)
- Yellow (1%)
- Black (38%)




- Cyan (38%)
- Magenta (57%)
- Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 31.929, 327.216 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 53, 31.929, 327.216 by changing the saturation by 10% instead.





 53, 31.929,  
327.216


 53, 31.929,  
327.216


 100, 31.929,  
327.216


 43, 31.929,  
327.216


 73, 31.929,  
327.216

 33, 31.929,  
327.216

 83, 31.929,  
327.216

 23, 31.929,  
327.216

 93, 31.929,  
327.216

 13, 31.929,  
327.216

 3, 31.929, 327.216

 0, 31.929, 327.216

53, 31.929,  
327.216

53, 31.929,  
327.216

49, 42.152,  
327.744

57, 21.395,  
326.669

46, 51.762,  
328.242

61, 10.786,  
326.110

43, 60.381,  
328.697

65, 0.261, 324.723

41, 67.604,  
329.096

70, 10.073,  
145.075

39, 73.068,  
329.434

74, 20.155,  
144.548

38, 76.560,  
329.710

78, 29.949,  
144.051

37, 78.478,  
329.936

83, 39.443,  
143.580

87, 48.635,  
143.135

■ 92, 57.534,  
142.717

# Harmonies

# Complementary

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



53, 31.929, 327.216



61, 31.923, 143.483

# Rectangle

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



53, 31.929, 327.216



53, 31.929, 17.216



53, 31.929, 147.216



53, 31.929, 197.216

# Sweetspot

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



53, 31.927, 327.216



78, 11.743, 326.049



49, 28.285, 294.904



41, 8.231, 326.127



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



53, 31.927, 327.216



65, 46.924, 327.560



52, 23.018, 348.342



31, 5.934, 326.053



33, 72.690, 329.920



1, 7.671, 325.841



# Inverse Universe

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



53, 31.927, 327.216



65, 46.924, 327.560



61, 22.047, 162.689



31, 5.934, 326.053



33, 72.690, 329.920

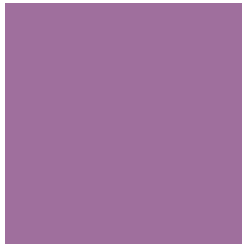


1, 7.671, 325.841



# Previews

## White Background



This preview shows how the CIELCh color 53, 31.929, 327.216 looks on a white background.

## Color Contrast Check

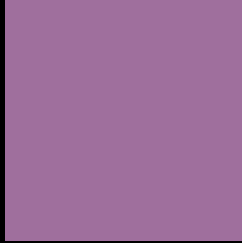
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 31.929, 327.216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

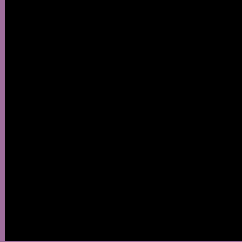
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 53, 31.929, 327.216

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 31.929, 327.216.



This preview shows how white text looks on a background with the CIELCh color 53, 31.929, 327.216.

# 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

53, 31.929, 327.216

### Protanopia

53, 24.430, 285.191

### Deuteranopia

53, 17.411, 294.684





**Tritanopia**  
53, 15.966, 2.484

# Trichromacy



**Original Color**  
53, 31.929, 327.216

**Protanomaly**  
53, 25.332, 301.999

**Deuteranomaly**  
53, 22.113, 311.074

**Tritanomaly**  
53, 20.552, 343.962

# Monochromacy



**Original Color**  
53, 31.929, 327.216

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
54, 11.886, 325.069

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 31.929, 327.216 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(159, 111, 157)` looks like.

```
.text, #text, p{  
    color:rgb(159, 111, 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(159, 111, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 111, 157) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 31.929, 327.216 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(159, 111, 157) }
```

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

```
.border{ border-color:rgb(159, 111, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 111, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 111, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 111, 157);  
box-shadow:4px 4px 4px 4px rgb(159, 111,  
157) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 31.929, 327.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 111, 157) }
```

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

```
.background{ background-color: rgb(159,  
111, 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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