

# Converting Colors

CIELCh(53, 29.879, 326.006)

Have a look what the booklet for  
CIELCh(53, 29.879, 326.006)  
contains.

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**Color**

**CIELCh(53, 30.227, 325.936)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C709C
RGB	156, 112, 156
RGB Percent	61%, 44%, 61%
CMY	0.3883, 0.5609, 0.3883
CMYK	0.00, 0.28, 0.00, 0.39
HSL	300°, 18%, 53%
HSV	300°, 28%, 61%
XYZ	25.4937, 21.0462, 34.1580
YIQ	130.1720, 12.1000, 23.0120

# Conversions

## Conversions Part 2

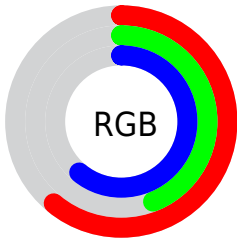
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 112, 156
Decimal	10252444
CIE <sub>Lab</sub>	53.00, 25.04, -16.93
CIE <sub>LCh</sub>	53, 30.227, 325.936
Yxy	21.0462, 0.3159, 0.2608
Android (android.graphics.Color)	4288442524 (0xFF9C709C)
YUV	130.1720, 12.7332, 22.6512
Hunter-Lab	45.8761, 18.9105, -12.0323

# Details

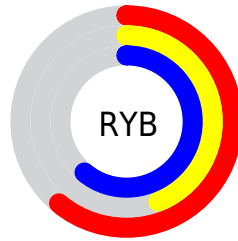
The CIELCh color  $53, 30.227, 325.936$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $60, 30.222, 142.553$ , and the grayscale version is  $54, 0.007, 296.813$ .

A 20% lighter version of the original color is  $73, 30.551, 325.650$ , and  $33, 30.604, 325.762$  is the 20% darker color. If you saturate the color by 10%, you get  $49, 40.676, 326.443$ , and if you desaturate by 10%, it is  $57, 19.513, 325.405$ .

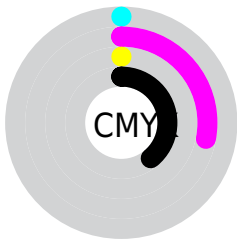
# Distribution



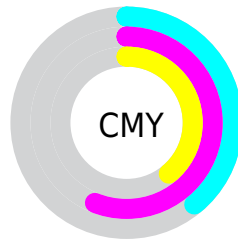
- Red (61%)
- Green (44%)
- Blue (61%)



- Red (61%)
- Yellow (44%)
- Blue (61%)



- Cyan (0%)
- Magenta (28%)
- Yellow (0%)
- Black (39%)




- Cyan (39%)
- Magenta (56%)
- Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 30.227, 325.936 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, 30.227, 325.936 by changing the saturation by 10% instead.





 53, 30.227,  
325.936


 53, 30.227,  
325.936


 100, 30.227,  
325.936


 43, 30.227,  
325.936


 73, 30.227,  
325.936

 33, 30.227,  
325.936

 83, 30.227,  
325.936

 23, 30.227,  
325.936

 93, 30.227,  
325.936

 13, 30.227,  
325.936

 3, 30.227, 325.936

 0, 30.227, 325.936

53, 30.227,  
325.936

53, 30.227,  
325.936

49, 40.676,  
326.443

57, 19.513,  
325.405

46, 50.574,  
326.912

61, 8.758, 324.856

43, 59.559,  
327.327

65, 1.888, 144.461

69, 12.327,  
143.843

41, 67.234,  
327.673

74, 22.499,  
143.330

39, 73.231,  
327.938

78, 32.375,  
142.844

38, 77.313,  
328.115


83, 41.941,  
142.385

37, 79.669,  
328.216

87, 51.198,  
141.952

37, 80.048,

328.232

 91, 60.154,  
141.546

# Harmonies

# Complementary

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



53, 30.227, 325.936



60, 30.222, 142.553

# Rectangle

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



53, 30.227, 325.936



53, 30.227, 15.936



53, 30.227, 145.936



53, 30.227, 195.936

# Sweetspot

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



53, 30.225, 325.936



78, 10.623, 324.854



49, 25.440, 292.871



40, 7.538, 324.934



91, 0.011, 296.813



43, 0.006, 296.813





# Same Dimension

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



53, 30.225, 325.936



65, 45.185, 326.267



52, 21.798, 345.243



31, 6.104, 324.915



34, 75.047, 328.232



1, 7.944, 324.438



# Inverse Universe

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



52, 18.745, 21.624



63, 28.779, 22.413



61, 21.125, 160.268



31, 3.535, 19.899



29, 67.092, 39.161

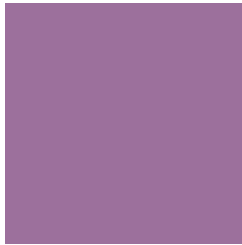


1, 4.473, 19.404



# Previews

## White Background



This preview shows how the CIELCh color 53, 30.227, 325.936 looks on a white background.

## Color Contrast Check

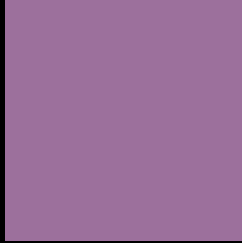
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.227, 325.936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

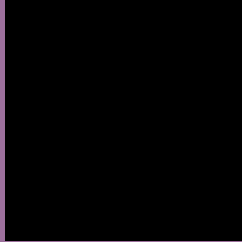
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 53, 30.227, 325.936

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 30.227, 325.936.



This preview shows how white text looks on a background with the CIELCh color 53, 30.227, 325.936.

# 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, 30.227, 325.936

### Protanopia

53, 23.827, 285.692

### Deuteranopia

53, 17.411, 294.684





**Tritanopia**  
53, 14.770, 0.714

# Trichromacy



**Original Color**  
53, 30.227, 325.936

**Protanomaly**  
53, 24.765, 302.170

**Deuteranomaly**  
53, 21.321, 309.626

**Tritanomaly**  
53, 19.316, 340.775

# Monochromacy



**Original Color**  
53, 30.227, 325.936

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
54, 11.198, 325.034

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 30.227, 325.936 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(156, 112, 156)` looks like.

```
.text, #text, p{  
    color:rgb(156, 112, 156)  
}
```

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(156, 112, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 112, 156) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 30.227, 325.936 is called "border". The border property can be set on classes, ids or directly on the HTML element.

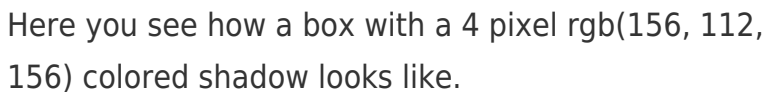
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 112, 156) }
```

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

```
.border{ border-color:rgb(156, 112, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 112, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 112, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 112, 156); box-shadow:4px 4px 4px 4px rgb(156, 112, 156) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 30.227, 325.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 112, 156) }
```

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

```
.background{ background-color: rgb(156,  
112, 156) }
```

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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