

# Converting Colors

CIELCh(53, 19.695, 339.480)

Have a look what the booklet for  
CIELCh(53, 19.695, 339.480)  
contains.

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**Color**

**CIELCh(53, 19.671, 339.468)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99748B
RGB	153, 116, 139
RGB Percent	60%, 45%, 55%
CMY	0.4009, 0.5460, 0.4558
CMYK	0.00, 0.24, 0.09, 0.40
HSL	323°, 15%, 53%
HSV	323°, 24%, 60%
XYZ	23.9558, 21.0462, 27.1383
YIQ	129.6850, 14.6690, 14.9970

# Conversions

## Conversions Part 2

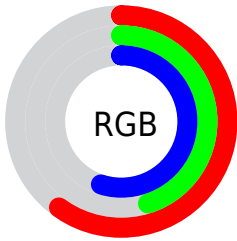
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 116, 139
Decimal	10056843
CIE <sub>Lab</sub>	53.00, 18.42, -6.90
CIE <sub>LCh</sub>	53, 19.671, 339.468
Yxy	21.0462, 0.3321, 0.2917
Android (android.graphics.Color)	4288246923 (0xFF99748B)
YUV	129.6850, 4.5923, 20.4473
Hunter-Lab	45.8761, 12.9266, -2.9601

# Details

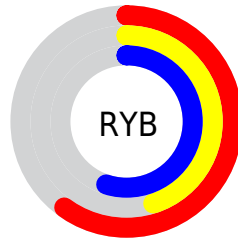
The CIELCh color  $53, 19.671, 339.468$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $60, 19.371, 155.707$ , and the grayscale version is  $54, 0.007, 296.813$ .

A 20% lighter version of the original color is  $73, 19.753, 340.123$ , and  $33, 19.824, 338.962$  is the 20% darker color. If you saturate the color by 10%, you get  $49, 27.805, 340.352$ , and if you desaturate by 10%, it is  $57, 11.480, 338.654$ .

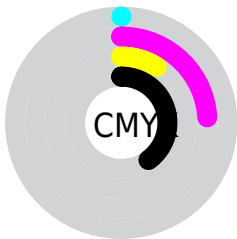
# Distribution



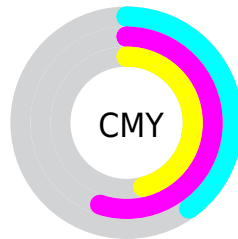
- Red (60%)
- Green (45%)
- Blue (55%)



- Red (60%)
- Yellow (45%)
- Blue (55%)



- Cyan (0%)
- Magenta (24%)
- Yellow (9%)
- Black (40%)



- Cyan (40%)
- Magenta (55%)
- Yellow (46%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 19.671, 339.468 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, 19.671, 339.468 by changing the saturation by 10% instead.





 53, 19.671,  
339.468

 53, 19.671,  
339.468


 100, 19.671,  
339.468

 43, 19.671,  
339.468

 73, 19.671,  
339.468

 33, 19.671,  
339.468

 83, 19.671,  
339.468

 23, 19.671,  
339.468

 93, 19.671,  
339.468

 13, 19.671,  
339.468

 3, 19.671, 339.468

 0, 19.671, 339.468

53, 19.671,  
339.468

53, 19.671,  
339.468

49, 27.805,  
340.352

57, 11.480,  
338.654

45, 35.681,  
341.325

61, 3.373, 337.848

66, 4.567, 157.311

42, 43.016,  
342.419

70, 12.293,  
156.625

39, 49.449,  
343.678

74, 19.785,  
156.014

37, 54.587,  
345.167

79, 27.037,  
155.446

35, 58.086,  
346.972


83, 34.054,  
154.915

34, 59.789,  
349.199

88, 40.846,  
154.417

33, 60.390,

350.599

 92, 47.427,  
153.951

# Harmonies

# Complementary

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



53, 19.671, 339.468



60, 19.371, 155.707

# Rectangle

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



53, 19.671, 339.468



53, 19.671, 29.468



53, 19.671, 159.468



53, 19.671, 209.468

# Sweetspot

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



53, 19.669, 339.469



76, 6.969, 338.096



51, 22.237, 305.649



40, 4.519, 338.138



90, 0.011, 296.813



42, 0.006, 296.813





# Same Dimension

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



53, 19.669, 339.469



65, 29.242, 339.933



52, 15.584, 10.815



30, 4.552, 338.262



30, 56.817, 350.369



1, 4.843, 338.109



# Inverse Universe

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



53, 19.669, 339.469



65, 29.242, 339.933



60, 13.866, 186.516



30, 4.552, 338.262



30, 56.817, 350.369

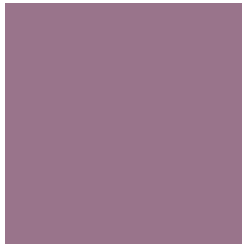


1, 4.843, 338.109



# Previews

## White Background



This preview shows how the CIELCh color 53, 19.671, 339.468 looks on a white background.

## Color Contrast Check

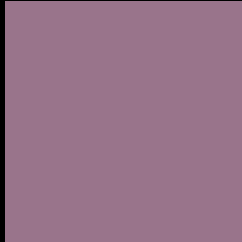
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.671, 339.468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

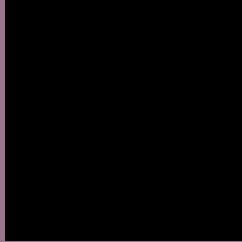
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 53, 19.671, 339.468

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 19.671, 339.468.



This preview shows how white text looks on a background with the CIELCh color 53, 19.671, 339.468.

# 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, 19.671, 339.468

### Protanopia

53, 11.004, 287.653

### Deuteranopia

53, 9.215, 318.797





**Tritanopia**  
53, 14.382, 0.074

# Trichromacy



**Original Color**  
53, 19.671, 339.468

**Protanomaly**  
53, 13.067, 312.131

**Deuteranomaly**  
53, 13.309, 329.457

**Tritanomaly**  
53, 16.209, 351.607

# Monochromacy



**Original Color**  
53, 19.671, 339.468

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
54, 7.630, 337.367

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 19.671, 339.468 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(153, 116, 139)` looks like.

```
.text, #text, p{  
    color:rgb(153, 116, 139)  
}
```

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(153, 116, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 116, 139) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 19.671, 339.468 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(153, 116, 139) }
```

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

```
.border{ border-color:rgb(153, 116, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 116, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 116, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 116, 139);  
box-shadow:4px 4px 4px 4px rgb(153, 116,  
139) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 19.671, 339.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 116, 139) }
```

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

```
.background{ background-color: rgb(153,  
116, 139) }
```

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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