

# Converting Colors

CIELCh(42, 19.660, 340.023)

Have a look what the booklet for  
CIELCh(42, 19.660, 340.023)  
contains.

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**Color**

**CIELCh(42, 19.438, 339.437)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C596F
RGB	124, 89, 111
RGB Percent	49%, 35%, 44%
CMY	0.5149, 0.6521, 0.5659
CMYK	0.00, 0.28, 0.11, 0.51
HSL	322°, 16%, 42%
HSV	322°, 28%, 49%
XYZ	14.6691, 12.5000, 16.5927
YIQ	101.9730, 13.7980, 14.2620

# Conversions

## Conversions Part 2

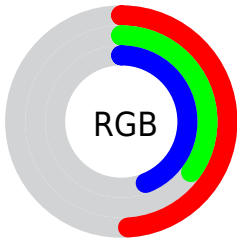
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 89, 111
Decimal	8149359
CIE Lab	42.00, 18.20, -6.83
CIE LCh	42, 19.438, 339.437
Yxy	12.5000, 0.3352, 0.2856
Android (android.graphics.Color)	4286339439 (0xFF7C596F)
YUV	101.9730, 4.4503, 19.3177
Hunter-Lab	35.3553, 12.1885, -3.0768

# Details

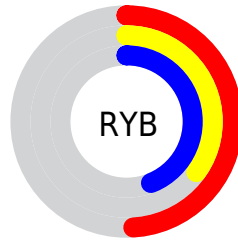
The CIELCh color  $42, 19.438, 339.437$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $49, 19.121, 155.067$ , and the grayscale version is  $43, 0.006, 296.813$ .

A 20% lighter version of the original color is  $62, 19.782, 338.795$ , and  $22, 18.994, 339.604$  is the 20% darker color. If you saturate the color by 10%, you get  $39, 26.257, 340.320$ , and if you desaturate by 10%, it is  $45, 12.516, 338.626$ .

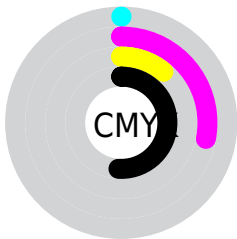
# Distribution



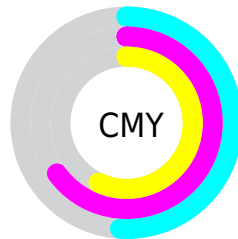
- Red (49%)
- Green (35%)
- Blue (44%)



- Red (49%)
- Yellow (35%)
- Blue (44%)



- Cyan (0%)
- Magenta (28%)
- Yellow (11%)
- Black (51%)



- Cyan (51%)
- Magenta (65%)
- Yellow (57%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 19.438, 339.437 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 42, 19.438, 339.437 by changing the saturation by 10% instead.





 42, 19.438,  
339.437


 42, 19.438,  
339.437


 100, 19.438,  
339.437


 32, 19.438,  
339.437

 62, 19.438,  
339.437


 22, 19.438,  
339.437

 72, 19.438,  
339.437

 12, 19.438,  
339.437


 82, 19.438,  
339.437

 2, 19.438, 339.437

 92, 19.438,  
339.437

 0, 19.438, 339.437

 42, 19.438,

 42, 19.438,

339.437

339.437

39, 26.257,  
340.320

45, 12.516,  
338.626

36, 32.791,  
341.295

49, 5.626, 337.857

33, 38.785,  
342.392

53, 1.150, 157.430

56, 7.763, 156.595

31, 43.937,  
343.658

60, 14.189,  
155.975

29, 47.928,  
345.156

64, 20.417,  
155.402

27, 50.507,  
346.971

67, 26.448,  
154.867

26, 51.938,  
349.090

71, 32.289,  
154.365

26, 52.189,  
349.451

75, 37.949,

153.894

# Harmonies

# Complementary

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



42, 19.438, 339.437



49, 19.121, 155.067

# Rectangle

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



42, 19.438, 339.437



42, 19.438, 29.437



42, 19.438, 159.437



42, 19.438, 209.437

# Sweetspot

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



42, 19.436, 339.438



63, 6.732, 337.850



40, 21.972, 305.880



32, 4.827, 337.950



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



42, 19.436, 339.438



52, 28.925, 340.005



41, 15.462, 11.264



24, 3.797, 337.916



26, 52.559, 349.481



55, 87.604, 351.073



# Inverse Universe

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



42, 19.436, 339.438



52, 28.925, 340.005



49, 13.504, 186.213



24, 3.797, 337.916



26, 52.559, 349.481

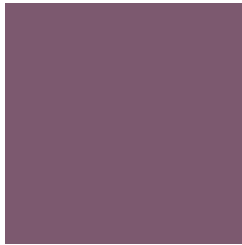


55, 87.604, 351.073



# Previews

## White Background



This preview shows how the CIELCh color 42, 19.438, 339.437 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 42, 19.438, 339.437 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

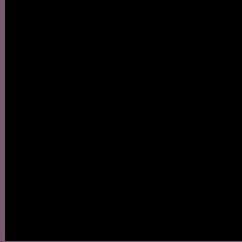
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 42, 19.438, 339.437

## Background



This preview shows how black text looks on a background with the CIELCh color 42, 19.438, 339.437.



This preview shows how white text looks on a background with the CIELCh color 42, 19.438, 339.437.

# 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

42, 19.438, 339.437

### Protanopia

42, 10.905, 285.716

### Deuteranopia

42, 7.823, 312.353





**Tritanopia**  
42, 13.902, 3.876

# Trichromacy



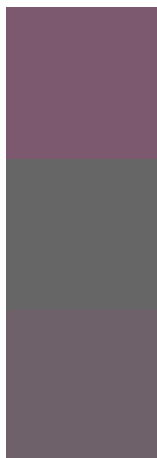
**Original Color**  
42, 19.438, 339.437

**Protanomaly**  
42, 12.922, 311.519

**Deuteranomaly**  
42, 11.922, 326.862

**Tritanomaly**  
42, 15.886, 352.369

# Monochromacy



**Original Color**  
42, 19.438, 339.437

**Achromatopsia**  
43, 0.006, 296.813

**Achromatomaly**  
43, 7.246, 338.726

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 42, 19.438, 339.437 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(124, 89, 111)` looks like.

```
.text, #text, p{  
    color:rgb(124, 89, 111)  
}
```

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(124, 89, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 89, 111) }
```

## Border

The CSS property to change the border of an element to CIELCh 42, 19.438, 339.437 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(124, 89, 111) }
```

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

```
.border{ border-color:rgb(124, 89, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 89, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 89, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 89, 111);  
box-shadow:4px 4px 4px 4px rgb(124, 89,  
111) }
```

# Background

The CSS property to change the background color of an element to CIELCh 42, 19.438, 339.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 89, 111) }
```

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

```
.background{ background-color: rgb(124, 89,  
111) }
```

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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