

# Converting Colors

CIELCh(51, 22.789, 314.774)

Have a look what the booklet for  
CIELCh(51, 22.789, 314.774)  
contains.

<b>CIELCh(51, 22.789, 314.774)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(51, 22.789, 314.774)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	887195
RGB	136, 113, 149
RGB Percent	53%, 44%, 58%
CMY	0.4660, 0.5562, 0.4150
CMYK	0.09, 0.24, 0.00, 0.42
HSL	278°, 15%, 51%
HSV	278°, 24%, 58%
XYZ	21.5407, 19.2686, 31.0869
YIQ	123.9810, 2.1520, 16.0720

# Conversions

## Conversions Part 2

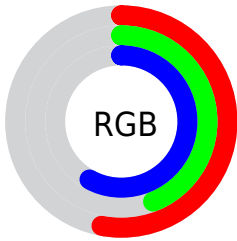
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	136, 113, 149
Decimal	8941973
CIE Lab	51.00, 16.05, -16.18
CIE LCh	51, 22.789, 314.774
Yxy	19.2686, 0.2996, 0.2680
Android (android.graphics.Color)	4287132053 (0xFF887195)
YUV	123.9810, 12.3344, 10.5407
Hunter-Lab	43.8960, 10.7757, -11.2616

# Details

The CIELCh color  $51, 22.789, 314.774$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $59, 22.292, 132.714$ , and the grayscale version is  $52, 0.007, 296.813$ .

A 20% lighter version of the original color is  $71, 22.707, 315.170$ , and  $31, 22.648, 315.047$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 32.468, 315.213$ , and if you desaturate by 10%, it is  $55, 13.214, 314.337$ .

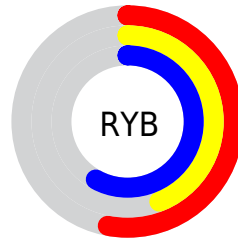
# Distribution



Red (53%)

Green (44%)

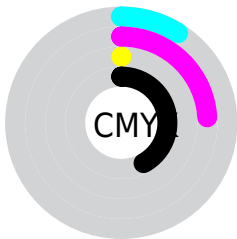
Blue (58%)



Red (53%)

Yellow (44%)

Blue (58%)

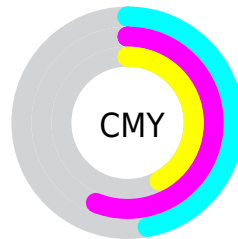


Cyan (9%)

Magenta (24%)

Yellow (0%)

Black (42%)



Cyan (47%)

Magenta (56%)


Yellow (42%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 22.789, 314.774 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 51, 22.789, 314.774 by changing the saturation by 10% instead.





 51, 22.789,  
314.774


 51, 22.789,  
314.774


 100, 22.789,  
314.774


 41, 22.789,  
314.774


 71, 22.789,  
314.774

 31, 22.789,  
314.774


 81, 22.789,  
314.774

 21, 22.789,  
314.774

 91, 22.789,  
314.774

 11, 22.789,  
314.774

 1, 22.789, 314.774

 0, 22.789, 314.774

51, 22.789,  
314.774

51, 22.789,  
314.774

47, 32.468,  
315.213

55, 13.214,  
314.337

42, 42.121,  
315.635

60, 3.826, 313.899

38, 51.532,  
316.010

64, 5.332, 133.570

35, 60.384,  
316.294

69, 14.239,  
133.198

31, 68.243,  
316.426

73, 22.890,  
132.869

29, 74.598,  
316.335

78, 31.287,  
132.573


27, 78.992,  
315.951

82, 39.437,  
132.309

26, 81.135,

87, 47.351,  
132.074

315.684

 91, 55.040,  
131.866

# Harmonies

# Complementary

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



51, 22.789, 314.774



59, 22.292, 132.714

# Rectangle

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



51, 22.789, 314.774



51, 22.789, 4.774



51, 22.789, 134.774



51, 22.789, 184.774

# Sweetspot

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



51, 22.787, 314.774



74, 8.036, 314.036



53, 13.894, 271.872



39, 5.209, 314.058



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



51, 22.787, 314.774



62, 34.042, 315.013



52, 22.788, 329.704



29, 5.214, 314.125



23, 76.503, 315.758



1, 4.515, 313.766



# Inverse Universe

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



52, 16.417, 354.250



63, 24.571, 354.915



58, 22.738, 146.675



29, 3.729, 352.640



28, 53.912, 13.978

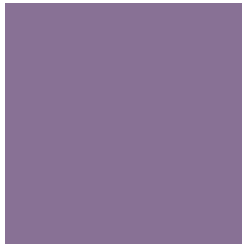


1, 3.212, 351.865



# Previews

## White Background



This preview shows how the CIELCh color 51, 22.789, 314.774 looks on a white background.

## Color Contrast Check

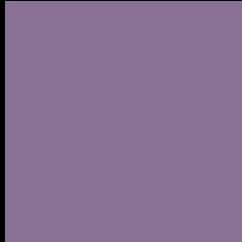
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 22.789, 314.774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

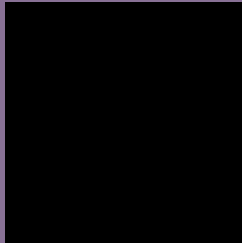
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 22.789, 314.774

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 22.789, 314.774.



This preview shows how white text looks on a background with the CIELCh color 51, 22.789, 314.774.

# 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

51, 22.789, 314.774


### Protanopia

51, 19.910, 285.590

### Deuteranopia

51, 16.940, 293.541





**Tritanopia**  
51, 8.681, 338.316

# Trichromacy



**Original Color**  
51, 22.789, 314.774

**Protanomaly**  
51, 19.909, 295.769

**Deuteranomaly**  
51, 18.471, 302.764

**Tritanomaly**  
51, 13.173, 323.711

# Monochromacy



**Original Color**  
51, 22.789, 314.774

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
52, 8.229, 313.373

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 22.789, 314.774 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(136, 113, 149)` looks like.

```
.text, #text, p{  
    color:rgb(136, 113, 149)  
}
```

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(136, 113, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 113, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 22.789, 314.774 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(136, 113, 149) }
```

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

```
.border{ border-color:rgb(136, 113, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 113, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 113, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 113, 149);  
box-shadow:4px 4px 4px 4px rgb(136, 113,  
149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 22.789, 314.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 113, 149) }
```

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

```
.background{ background-color: rgb(136,  
113, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor