

# Converting Colors

CIELCh(51, 20.840, 333.076)

Have a look what the booklet for  
CIELCh(51, 20.840, 333.076)  
contains.

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# Color

**CIELCh(51, 20.814, 333.066)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	926F8A
RGB	146, 111, 138
RGB Percent	57%, 44%, 54%
CMY	0.4280, 0.5652, 0.4594
CMYK	0.00, 0.24, 0.05, 0.43
HSL	314°, 14%, 50%
HSV	314°, 24%, 57%
XYZ	22.0763, 19.2686, 26.5478
YIQ	124.5430, 12.1930, 15.8170

# Conversions

## Conversions Part 2

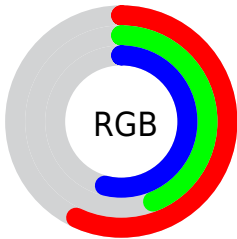
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 111, 138
Decimal	9596810
CIE <sub>Lab</sub>	51.00, 18.56, -9.43
CIE <sub>LCh</sub>	51, 20.814, 333.066
Yxy	19.2686, 0.3252, 0.2838
Android (android.graphics.Color)	4287786890 (0xFF926F8A)
YUV	124.5430, 6.6343, 18.8178
Hunter-Lab	43.8960, 12.9534, -5.1307

# Details

The CIELCh color  $51, 20.814, 333.066$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $57, 20.701, 149.840$ , and the grayscale version is  $52, 0.007, 296.813$ .

A 20% lighter version of the original color is  $71, 20.522, 333.286$ , and  $31, 20.666, 333.250$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 29.433, 333.756$ , and if you desaturate by 10%, it is  $55, 12.094, 332.401$ .

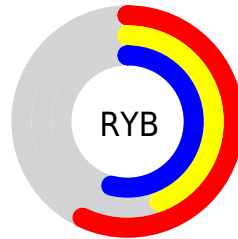
# Distribution



Red (57%)

Green (44%)

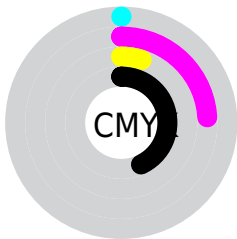
Blue (54%)



Red (57%)

Yellow (44%)

Blue (54%)

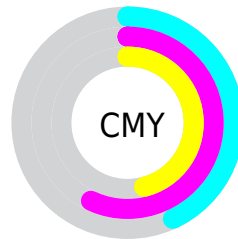


Cyan (0%)

Magenta (24%)

Yellow (5%)

Black (43%)



Cyan (43%)

Magenta (57%)


Yellow (46%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 20.814, 333.066 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, 20.814, 333.066 by changing the saturation by 10% instead.





 51, 20.814,  
333.066


 51, 20.814,  
333.066


 100, 20.814,  
333.066


 41, 20.814,  
333.066


 71, 20.814,  
333.066

 31, 20.814,  
333.066

 81, 20.814,  
333.066

 21, 20.814,  
333.066

 91, 20.814,  
333.066

 11, 20.814,  
333.066

 1, 20.814, 333.066

 0, 20.814, 333.066

51, 20.814,  
333.066

51, 20.814,  
333.066

47, 29.433,  
333.756

55, 12.094,  
332.401

44, 37.745,  
334.474

59, 3.427, 331.719

41, 45.459,  
335.229

63, 5.094, 151.241

38, 52.223,  
336.030

67, 13.414,  
150.638

36, 57.654,  
336.899

71, 21.504,  
150.087

34, 61.424,  
337.867

76, 29.352,  
149.569


33, 63.368,  
338.975

80, 36.959,  
149.081

32, 64.110,

84, 44.332,  
148.620

339.676

 88, 51.483,  
148.185

# Harmonies

# Complementary

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



51, 20.814, 333.066



57, 20.701, 149.840

# Rectangle

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



51, 20.814, 333.066



51, 20.814, 23.066



51, 20.814, 153.066



51, 20.814, 203.066

# Sweetspot

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



51, 20.812, 333.067



73, 7.433, 331.947



49, 20.868, 300.420



38, 4.816, 331.980



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



51, 20.812, 333.067



62, 31.031, 333.449



50, 15.469, 359.569



29, 4.925, 332.086



30, 61.530, 339.602



1, 4.279, 331.544



# Inverse Universe

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



51, 20.812, 333.067



62, 31.031, 333.449



58, 14.390, 174.902



29, 4.925, 332.086



30, 61.530, 339.602

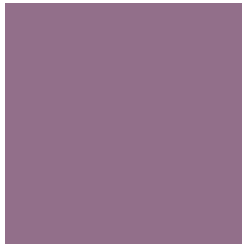


1, 4.279, 331.544



# Previews

## White Background



This preview shows how the CIELCh color 51, 20.814, 333.066 looks on a white background.

## Color Contrast Check

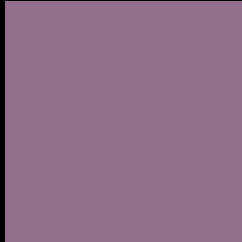
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 20.814, 333.066 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, 20.814, 333.066

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 20.814, 333.066.



This preview shows how white text looks on a background with the CIELCh color 51, 20.814, 333.066.

# 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, 20.814, 333.066

### Protanopia

51, 13.450, 285.600

### Deuteranopia

51, 11.116, 309.642





**Tritanopia**  
51, 13.130, 0.377

# Trichromacy



**Original Color**  
51, 20.814, 333.066

**Protanomaly**  
51, 15.147, 306.400

**Deuteranomaly**  
51, 14.863, 321.394

**Tritanomaly**  
51, 15.538, 347.320

# Monochromacy



**Original Color**  
51, 20.814, 333.066

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
51, 7.814, 332.203

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 20.814, 333.066 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(146, 111, 138)` looks like.

```
.text, #text, p{  
    color:rgb(146, 111, 138)  
}
```

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(146, 111, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 111, 138) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 20.814, 333.066 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(146, 111, 138) }
```

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

```
.border{ border-color:rgb(146, 111, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 111, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 111, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 111, 138);  
box-shadow:4px 4px 4px 4px rgb(146, 111,  
138) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 20.814, 333.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 111, 138) }
```

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

```
.background{ background-color: rgb(146,  
111, 138) }
```

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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