

# Converting Colors

CIELCh(51, 20.909, 328.001)

Have a look what the booklet for  
CIELCh(51, 20.909, 328.001)  
contains.

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**Color**

**CIELCh(51, 20.727, 327.406)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F708D
RGB	143, 112, 141
RGB Percent	56%, 44%, 55%
CMY	0.4402, 0.5617, 0.4480
CMYK	0.00, 0.22, 0.01, 0.44
HSL	304°, 12%, 50%
HSV	304°, 22%, 56%
XYZ	21.8414, 19.2686, 27.6707
YIQ	124.5750, 9.1670, 15.5910

# Conversions

## Conversions Part 2

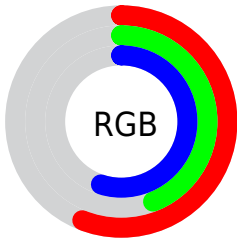
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 112, 141
Decimal	9400461
CIE <sub>Lab</sub>	51.00, 17.46, -11.17
CIE <sub>LCh</sub>	51, 20.727, 327.406
Yxy	19.2686, 0.3176, 0.2801
Android (android.graphics.Color)	4287590541 (0xFF8F708D)
YUV	124.5750, 8.0975, 16.1587
Hunter-Lab	43.8960, 11.9986, -6.6474

# Details

The CIELCh color  $51, 20.727, 327.406$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $56, 20.702, 144.834$ , and the grayscale version is  $52, 0.007, 296.813$ .

A 20% lighter version of the original color is  $71, 20.833, 327.039$ , and  $31, 20.636, 326.966$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 30.221, 327.959$ , and if you desaturate by 10%, it is  $55, 11.141, 326.844$ .

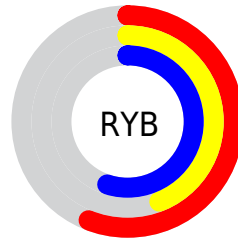
# Distribution



Red (56%)

Green (44%)

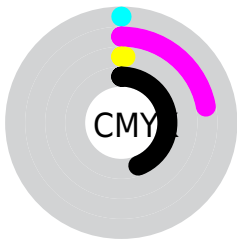
Blue (55%)



Red (56%)

Yellow (44%)

Blue (55%)

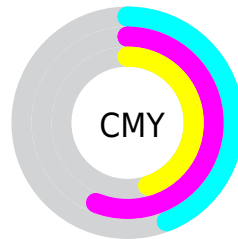


Cyan (0%)

Magenta (22%)

Yellow (1%)

Black (44%)



Cyan (44%)

Magenta (56%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 20.727, 327.406 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, 20.727, 327.406 by changing the saturation by 10% instead.





 51, 20.727,  
327.406


 51, 20.727,  
327.406


 100, 20.727,  
327.406


 41, 20.727,  
327.406


 71, 20.727,  
327.406

 31, 20.727,  
327.406

 81, 20.727,  
327.406

 21, 20.727,  
327.406

 91, 20.727,  
327.406

 11, 20.727,  
327.406

 1, 20.727, 327.406

 0, 20.727, 327.406

51, 20.727,  
327.406

51, 20.727,  
327.406

47, 30.221,  
327.959

55, 11.141,  
326.844

44, 39.414,  
328.498

59, 1.618, 326.184

41, 48.024,  
329.011

63, 7.745, 145.807

38, 55.706,  
329.489

67, 16.888,  
145.274

36, 62.095,  
329.923

71, 25.777,  
144.773

35, 66.867,  
330.310

75, 34.400,  
144.298

34, 69.839,  
330.653

79, 42.754,  
143.849

33, 71.402,

83, 50.846,  
143.425

330.916

 87, 58.687,  
143.028

# Harmonies

# Complementary

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



51, 20.727, 327.406



56, 20.702, 144.834

# Rectangle

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



51, 20.727, 327.406



51, 20.727, 17.406



51, 20.727, 147.406



51, 20.727, 197.406

# Sweetspot

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



51, 20.725, 327.406



72, 8.251, 326.581



48, 18.302, 294.334



38, 5.405, 326.611



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, 20.725, 327.406



63, 30.824, 327.676



51, 14.914, 348.382



28, 5.367, 326.700



31, 68.636, 330.901



1, 3.605, 326.219



# Inverse Universe

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



51, 20.725, 327.406



63, 30.824, 327.676



57, 14.426, 164.528



28, 5.367, 326.700



31, 68.636, 330.901



1, 3.605, 326.219



# Previews

## White Background



This preview shows how the CIELCh color 51, 20.727, 327.406 looks on a white background.

## Color Contrast Check

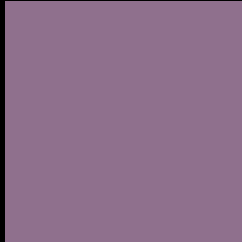
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.727, 327.406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

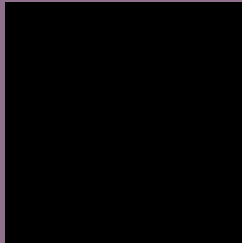
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 20.727, 327.406

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 20.727, 327.406.



This preview shows how white text looks on a background with the CIELCh color 51, 20.727, 327.406.

# 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, 20.727, 327.406

### Protanopia

51, 15.213, 285.243

### Deuteranopia

51, 11.931, 302.652





**Tritanopia**  
51, 11.423, 353.602

# Trichromacy



**Original Color**  
51, 20.727, 327.406

**Protanomaly**  
51, 16.094, 302.808

**Deuteranomaly**  
51, 15.212, 314.009

**Tritanomaly**  
51, 14.249, 340.428

# Monochromacy



**Original Color**  
51, 20.727, 327.406

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
52, 7.300, 327.433

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 20.727, 327.406 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(143, 112, 141)` looks like.

```
.text, #text, p{  
    color:rgb(143, 112, 141)  
}
```

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(143, 112, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 112, 141) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 20.727, 327.406 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(143, 112, 141) }
```

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

```
.border{ border-color:rgb(143, 112, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 112, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 112, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 112, 141);  
box-shadow:4px 4px 4px 4px rgb(143, 112,  
141) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 20.727, 327.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 112, 141) }
```

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

```
.background{ background-color: rgb(143,  
112, 141) }
```

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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