

# Converting Colors

CIELCh(51, 19.519, 22.252)

Have a look what the booklet for  
CIELCh(51, 19.519, 22.252) contains.

<b>CIELCh(51, 19.252, 21.716)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(51, 19.252, 21.716)**

# Conversions

Conversions Part 1	
Format	Color
Hex	9B6E6E
RGB	155, 110, 110
RGB Percent	61%, 43%, 43%
CMY	0.3919, 0.5684, 0.5684
CMYK	0.00, 0.29, 0.29, 0.39
HSL	0°, 18%, 52%
HSV	0°, 29%, 61%
XYZ	21.9321, 19.2686, 17.3334
YIQ	123.4550, 26.8200, 9.5400

# Conversions

## Conversions Part 2

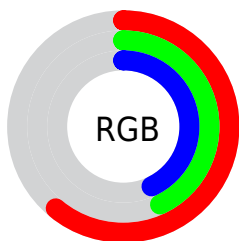
Format	Color
<a href="#">RYB</a>	<a href="#">155, 110, 110</a>
Decimal	<a href="#">10186350</a>
CIELab	<a href="#">51.00, 17.89, 7.12</a>
CIELCh	<a href="#">51, 19.252, 21.716</a>
Yxy	<a href="#">19.2686, 0.3747, 0.3292</a>
Android (android.graphics.Color)	<a href="#">4288376430</a> (0xFF9B6E6E)
YUV	<a href="#">123.4550, -6.6333, 27.6650</a>
Hunter-Lab	<a href="#">43.8960, 12.3671, 7.3151</a>

# Details

The CIELCh color **51, 19.252, 21.716** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **61, 15.876, 198.007**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 19.005, 21.111**, and **31, 18.920, 20.948** is the 20% darker color. If you saturate the color by 10%, you get **47, 26.811, 23.028**, and if you desaturate by 10%, it is **55, 12.152, 20.707**.

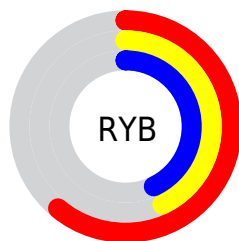
# Distribution



Red (61%)

Green (43%)

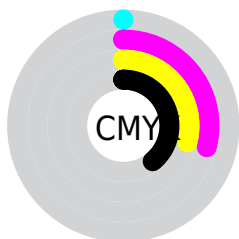
Blue (43%)



Red (61%)

Yellow (43%)

Blue (43%)

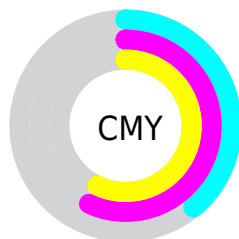


Cyan (0%)

Magenta (29%)

Yellow (29%)

Black (39%)



Cyan (39%)

Magenta (57%)

Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 19.252, 21.716 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, 19.252, 21.716 by changing the saturation by 10% instead.

 51, 19.252, 21.716

 51, 19.252, 21.716

 100, 19.252,  
21.716

 41, 19.252, 21.716

 71, 19.252, 21.716

 31, 19.252, 21.716

 81, 19.252, 21.716

 21, 19.252, 21.716

 91, 19.252, 21.716

 11, 19.252, 21.716

 1, 19.252, 21.716

 0, 19.252, 21.716

 51, 19.252, 21.716

 51, 19.252, 21.716

 47, 26.811, 23.028

 55, 12.152, 20.707

 43, 34.749, 24.724

 60, 5.546, 19.888


 40, 42.908, 26.915

 64, 0.577, 200.158


 37, 51.054, 29.679

 69, 6.248, 198.961

 34, 58.868, 32.982


 74, 11.507,  
198.547

 33, 65.804, 36.467


 78, 16.400,  
198.229

 32, 71.185, 39.339

 32, 71.693, 39.587

 83, 20.969,  
197.973

 88, 25.255,  
197.765

 93, 29.291,  
197.592

# Harmonies

# Complementary

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



51, 19.252, 21.716



61, 15.876, 198.007

# Rectangle

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



51, 19.252, 21.716



51, 19.252, 71.716



51, 19.252, 201.716



51, 19.252, 251.716

# Sweetspot

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



51, 19.250, 21.721



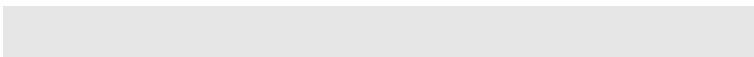
76, 6.851, 19.900



52, 30.944, 325.978



40, 4.824, 20.006



91, 0.011, 296.813



43, 0.006, 296.813



# Same Dimension

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



51, 19.250, 21.721



62, 29.423, 22.553



57, 16.116, 71.894



30, 3.439, 19.903



28, 66.112, 39.051



1, 3.595, 19.412



# Inverse Universe

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



61, 15.876, 198.007



77, 23.080, 197.726



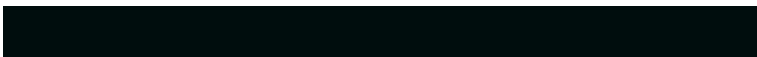
54, 14.908, 259.811



32, 3.249, 199.007



53, 32.116, 196.399



3, 3.595, 199.430



# Previews

## White Background



This preview shows how the CIELCh color 51, 19.252, 21.716 looks on a white background.

## Color Contrast Check

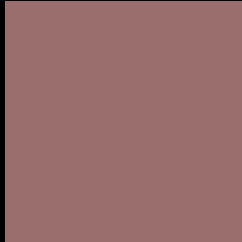
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.252, 21.716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

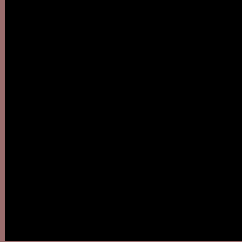
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 19.252, 21.716

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 19.252, 21.716.



This preview shows how white text looks on a background with the CIELCh color 51, 19.252, 21.716.

# 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, 19.252, 21.716

### Protanopia

51, 3.320, 80.253

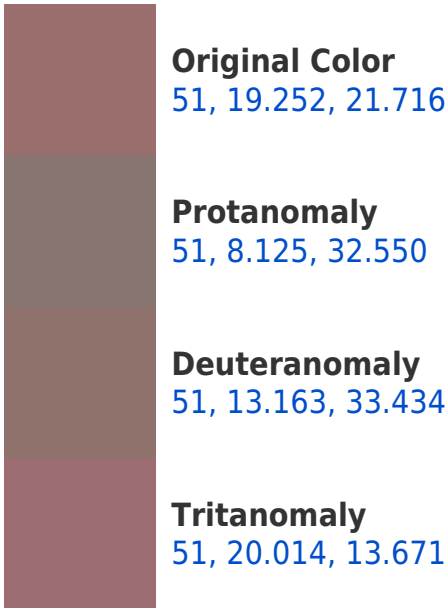
### Deuteranopia

51, 10.086, 47.506

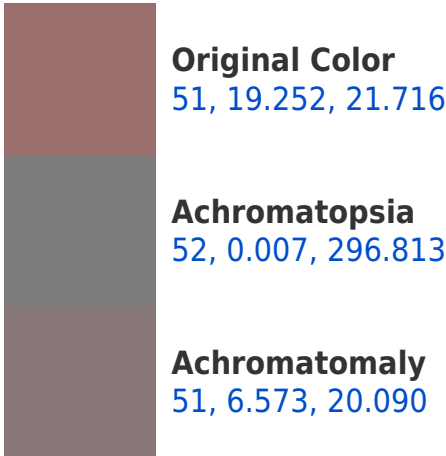


**Tritanopia**  
51, 20.136, 8.772

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 19.252, 21.716 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(155, 110, 110)` looks like.

```
.text, #text, p{  
    color:rgb(155, 110, 110)  
}
```

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(155, 110, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 110, 110) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 19.252, 21.716 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(155, 110, 110) }
```

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

```
.border{ border-color:rgb(155, 110, 110) }
```

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

Here you see how a box with a 4 pixel rgb(155, 110, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 110, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 110, 110);  
box-shadow:4px 4px 4px 4px rgb(155, 110,  
110) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 19.252, 21.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 110, 110) }
```

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

```
.background{ background-color: rgb(155,  
110, 110) }
```

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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