

Converting Colors

CIELCh(51, 33.168, 16.064)

Have a look what the booklet for
CIELCh(51, 33.168, 16.064) contains.

CIELCh(51, 33.222, 16.103)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 33.222, 16.103)

Conversions

Conversions Part 1

Format	Color
Hex	B0636B
RGB	176, 99, 107
RGB Percent	69%, 39%, 42%
CMY	0.3091, 0.6111, 0.5798
CMYK	0.00, 0.44, 0.39, 0.31
HSL	354°, 33%, 54%
HSV	354°, 44%, 69%
XYZ	25.0826, 19.2686, 16.3494
YIQ	122.9350, 43.3240, 18.8120

Conversions

Conversions Part 2

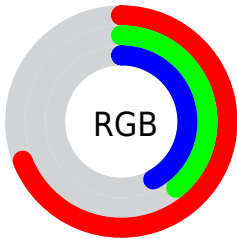
Format	Color
R_{YB}	176, 99, 107
Decimal	11559787
CIE _{Lab}	51.00, 31.92, 9.21
CIE _{LCh}	51, 33.222, 16.103
Yxy	19.2686, 0.4132, 0.3174
Android (android.graphics.Color)	4289749867 (0xFFB0636B)
YUV	122.9350, -7.8560, 46.5380
Hunter-Lab	43.8960, 25.1785, 8.6442

Details

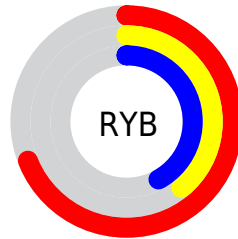
The CIELCh color **51, 33.222, 16.103** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **67, 25.991, 187.413**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 33.366, 16.284**, and **31, 33.311, 16.192** is the 20% darker color. If you saturate the color by 10%, you get **47, 41.583, 18.232**, and if you desaturate by 10%, it is **55, 24.997, 14.426**.

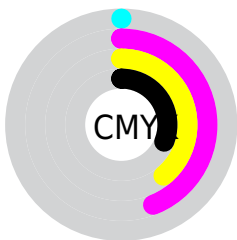
Distribution



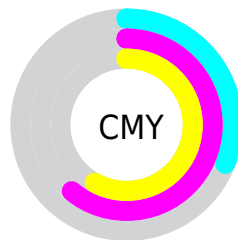
- Red (69%)
- Green (39%)
- Blue (42%)



- Red (69%)
- Yellow (39%)
- Blue (42%)



- Cyan (0%)
- Magenta (44%)
- Yellow (39%)
- Black (31%)



- Cyan (31%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 33.222, 16.103 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, 33.222, 16.103 by changing the saturation by 10% instead.

■ 51, 33.222, 16.103

■ 51, 33.222, 16.103

■ 100, 33.222,
16.103

■ 41, 33.222, 16.103

■ 71, 33.222, 16.103

■ 31, 33.222, 16.103

■ 81, 33.222, 16.103

■ 21, 33.222, 16.103

■ 91, 33.222, 16.103

■ 11, 33.222, 16.103

■ 1, 33.222, 16.103

■ 0, 33.222, 16.103

■ 51, 33.222, 16.103

■ 51, 33.222, 16.103

■ 47, 41.583, 18.232

■ 55, 24.997, 14.426

■ 43, 49.843, 20.931

■ 60, 17.083, 13.081

40, 57.719, 24.318

65, 9.575, 11.977

38, 64.954, 28.405

70, 2.512, 10.944

37, 71.297, 32.932

75, 4.107, 190.511

37, 74.835, 35.487

80, 10.304,
189.808

85, 16.111,
189.246

91, 21.567,
188.764

95, 25.607,
191.154

Harmonies

Complementary

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



51, 33.222, 16.103



67, 25.991, 187.413

Rectangle

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



51, 33.222, 16.103



51, 33.222, 66.103



51, 33.222, 196.103



51, 33.222, 246.103

Sweetspot

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



51, 33.220, 16.106



83, 11.236, 11.928



52, 49.800, 323.235



43, 7.909, 12.150



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



51, 33.220, 16.106



61, 49.851, 18.041



58, 27.387, 57.899



35, 3.941, 11.541



31, 67.036, 34.950



2, 9.232, 12.767

Inverse Universe

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



51, 33.220, 16.106



61, 49.851, 18.041



59, 22.002, 248.532



35, 3.941, 11.541



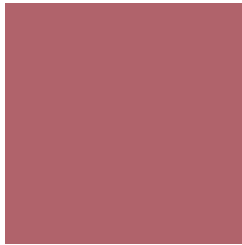
31, 67.036, 34.950



2, 9.232, 12.767

Previews

White Background



This preview shows how the CIELCh color 51, 33.222, 16.103 looks on a white background.

Color Contrast Check

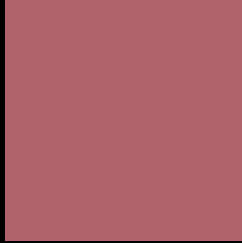
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.222, 16.103 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, 33.222, 16.103

Background



This preview shows how black text looks on a background with the CIELCh color 51, 33.222, 16.103.



This preview shows how white text looks on a background with the CIELCh color 51, 33.222, 16.103.

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, 33.222, 16.103

Protanopia

51, 1.984, 55.160

Deuteranopia

51, 12.540, 56.950



Tritanopia
51, 33.222, 16.103

Trichromacy



Original Color
51, 33.222, 16.103

Protanomaly
51, 13.024, 15.860

Deuteranomaly
51, 18.635, 32.096

Tritanomaly
51, 33.222, 16.103

Monochromacy



Original Color
51, 33.222, 16.103

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 11.758, 12.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 33.222, 16.103 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(176, 99, 107)` looks like.

```
.text, #text, p{  
    color:rgb(176, 99, 107)  
}
```

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(176, 99, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 99, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 33.222, 16.103 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(176, 99, 107) }
```

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

```
.border{ border-color:rgb(176, 99, 107) }
```

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

Here you see how a box with a 4 pixel rgb(176, 99, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 99, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 99, 107);  
box-shadow:4px 4px 4px 4px rgb(176, 99,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 33.222, 16.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 99, 107) }
```

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

```
.background{ background-color: rgb(176, 99,  
107) }
```

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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