

Converting Colors

CIELCh(51, 33.242, 13.632)

Have a look what the booklet for
CIELCh(51, 33.242, 13.632) contains.

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Color

CIELCh(51, 33.163, 14.131)

Conversions

Conversions Part 1

Format	Color
Hex	B0636D
RGB	176, 99, 109
RGB Percent	69%, 39%, 43%
CMY	0.3097, 0.6116, 0.5724
CMYK	0.00, 0.44, 0.38, 0.31
HSL	352°, 33%, 54%
HSV	352°, 44%, 69%
XYZ	25.1392, 19.2686, 16.8708
YIQ	123.1630, 42.6820, 19.4340

Conversions

Conversions Part 2

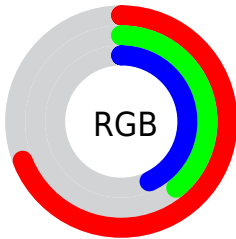
Format	Color
R_{YB}	176, 99, 109
Decimal	11559789
CIE _{Lab}	51.00, 32.16, 8.10
CIE _{LCh}	51, 33.163, 14.131
Yxy	19.2686, 0.4102, 0.3144
Android (android.graphics.Color)	4289749869 (0xFFB0636D)
YUV	123.1630, -6.9824, 46.3380
Hunter-Lab	43.8960, 25.4086, 7.9400

Details

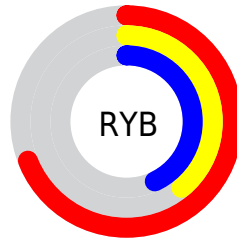
The CIELCh color **51, 33.163, 14.131** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **67, 26.371, 185.056**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 33.334, 14.441**, and **31, 33.191, 14.043** is the 20% darker color. If you saturate the color by 10%, you get **47, 41.394, 16.274**, and if you desaturate by 10%, it is **55, 25.016, 12.434**.

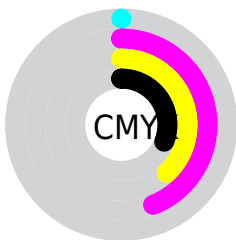
Distribution



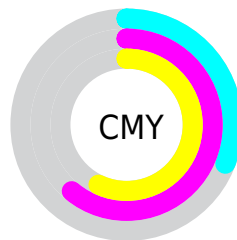
- Red (69%)
- Green (39%)
- Blue (43%)



- Red (69%)
- Yellow (39%)
- Blue (43%)



- Cyan (0%)
- Magenta (44%)
- Yellow (38%)
- Black (31%)



- Cyan (31%)
- Magenta (61%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 33.163, 14.131 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, 33.163, 14.131 by changing the saturation by 10% instead.

51, 33.163, 14.131

51, 33.163, 14.131

100, 33.163,
14.131

41, 33.163, 14.131

71, 33.163, 14.131

31, 33.163, 14.131

81, 33.163, 14.131

21, 33.163, 14.131

91, 33.163, 14.131

11, 33.163, 14.131

1, 33.163, 14.131

0, 33.163, 14.131

51, 33.163, 14.131

51, 33.163, 14.131

47, 41.394, 16.274

55, 25.016, 12.434

43, 49.463, 18.986

60, 17.138, 11.063

41, 57.085, 22.396

65, 9.632, 9.929

38, 64.019, 26.548

70, 2.544, 8.865

37, 70.096, 31.253

75, 4.119, 188.391

37, 73.574, 34.015

80, 10.374,
187.652

85, 16.251,
187.054

90, 21.784,
186.536

95, 25.963,
188.502

Harmonies

Complementary

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



51, 33.163, 14.131



67, 26.371, 185.056

Rectangle

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



51, 33.163, 14.131



51, 33.163, 64.131



51, 33.163, 194.131



51, 33.163, 244.131

Sweetspot

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



51, 33.161, 14.134



83, 11.288, 9.875



52, 49.637, 322.729



43, 7.942, 10.104



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, 33.161, 14.134



61, 49.642, 16.077



57, 27.422, 56.148



35, 3.962, 9.476



31, 65.938, 33.432



2, 9.270, 11.127

Inverse Universe

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



51, 33.161, 14.134



61, 49.642, 16.077



59, 21.749, 246.235



35, 3.962, 9.476



31, 65.938, 33.432



2, 9.270, 11.127

Previews

White Background



This preview shows how the CIELCh color 51, 33.163, 14.131 looks on a white background.

Color Contrast Check

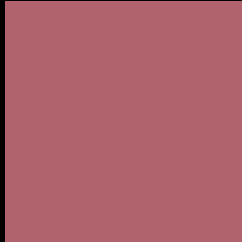
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.163, 14.131 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, 33.163, 14.131

Background



This preview shows how black text looks on a background with the CIELCh color 51, 33.163, 14.131.



This preview shows how white text looks on a background with the CIELCh color 51, 33.163, 14.131.

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, 33.163, 14.131

Protanopia

51, 1.208, 19.223

Deuteranopia

51, 11.445, 53.920



Tritanopia
51, 33.222, 16.103

Trichromacy



Original Color
51, 33.163, 14.131

Protanomaly
51, 12.674, 10.414

Deuteranomaly
51, 18.221, 26.942

Tritanomaly
51, 33.187, 15.118

Monochromacy



Original Color
51, 33.163, 14.131

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 11.821, 9.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 33.163, 14.131 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(176, 99, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 99, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 33.163, 14.131 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, 109) }
```

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

```
.border{ border-color:rgb(176, 99, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 99, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 99, 109);  
box-shadow:4px 4px 4px 4px rgb(176, 99,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 33.163, 14.131 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, 109) }
```

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

```
.background{ background-color: rgb(176, 99,  
109) }
```

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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