

Converting Colors

CIELCh(48, 51.366, 356.314)

Have a look what the booklet for
CIELCh(48, 51.366, 356.314)
contains.

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Color

CIELCh(48, 51.405, 356.231)

Conversions

Conversions Part 1

Format	Color
Hex	BC4879
RGB	188, 72, 121
RGB Percent	74%, 28%, 47%
CMY	0.2615, 0.7164, 0.5244
CMYK	0.00, 0.62, 0.36, 0.26
HSL	335°, 47%, 51%
HSV	335°, 62%, 74%
XYZ	26.6252, 16.7945, 20.0182
YIQ	112.2700, 53.4070, 39.8310

Conversions

Conversions Part 2

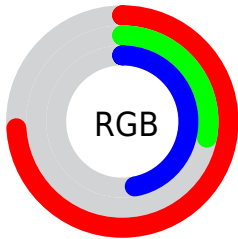
Format	Color
R_{YB}	188, 72, 121
Decimal	12339321
CIE _{Lab}	48.00, 51.29, -3.38
CIE _{LCh}	48, 51.405, 356.231
Yxy	16.7945, 0.4197, 0.2647
Android (android.graphics.Color)	4290529401 (0xFFBC4879)
YUV	112.2700, 4.3039, 66.4152
Hunter-Lab	40.9810, 44.2538, -0.2749

Details

The CIELCh color **48, 51.405, 356.231** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **69, 46.812, 160.968**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 51.344, 356.239**, and **28, 51.591, 356.048** is the 20% darker color. If you saturate the color by 10%, you get **45, 57.742, 358.693**, and if you desaturate by 10%, it is **52, 43.891, 354.259**.

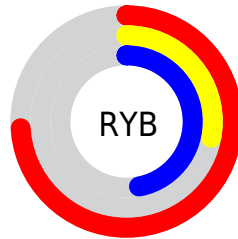
Distribution



Red (74%)

Green (28%)

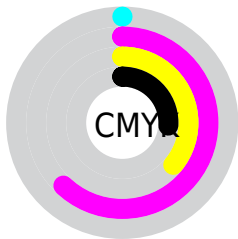
Blue (47%)



Red (74%)

Yellow (28%)

Blue (47%)

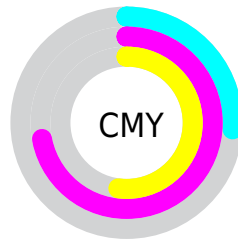


Cyan (0%)

Magenta (62%)

Yellow (36%)

Black (26%)



Cyan (26%)


Magenta (72%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 51.405, 356.231 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 48, 51.405, 356.231 by changing the saturation by 10% instead.


 48, 51.405,
356.231


 48, 51.405,
356.231


 100, 51.405,
356.231


 38, 51.405,
356.231

 68, 51.405,
356.231


 28, 51.405,
356.231

 78, 51.405,
356.231

 18, 51.405,
356.231

 88, 51.405,
356.231

 8, 51.405, 356.231

 98, 51.405,
356.231

 0, 51.405, 356.231

 48, 51.405,

 48, 51.405,

356.231

356.231

45, 57.742,
358.693

52, 43.891,
354.259

42, 62.533, 1.807

56, 35.638,
352.640

41, 65.622, 5.743

61, 27.019,
351.280

40, 67.328, 9.596

65, 18.314,
350.110

70, 9.712, 349.072

76, 1.326, 347.899

81, 6.783, 167.461

86, 14.591,
166.692

91, 22.094,

Harmonies

Complementary

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



48, 51.405, 356.231



69, 46.812, 160.968

Rectangle

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



48, 51.405, 356.231



48, 51.405, 46.231



48, 51.405, 176.231



48, 51.405, 226.231

Sweetspot

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



48, 51.402, 356.232



85, 18.810, 349.754



44, 70.113, 314.091



43, 13.110, 350.066



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



48, 51.402, 356.232



57, 72.644, 359.730



48, 50.553, 31.498



37, 4.735, 348.849



33, 59.114, 8.860



3, 13.417, 356.104

Inverse Universe

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



48, 51.402, 356.232



57, 72.644, 359.730



68, 31.132, 204.991



37, 4.735, 348.849



33, 59.114, 8.860



3, 13.417, 356.104

Previews

White Background



This preview shows how the CIELCh color 48, 51.405, 356.231 looks on a white background.

Color Contrast Check

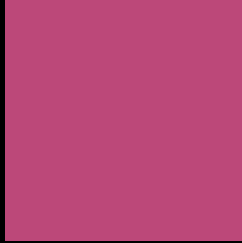
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 51.405, 356.231 looks on a black 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

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

CIELCh 48, 51.405, 356.231

Background



This preview shows how black text looks on a background with the CIELCh color 48, 51.405, 356.231.



This preview shows how white text looks on a background with the CIELCh color 48, 51.405, 356.231.

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

48, 51.405, 356.231

Protanopia

48, 20.699, 286.074

Deuteranopia

48, 6.215, 357.936



Tritanopia
48, 47.083, 23.270

Trichromacy



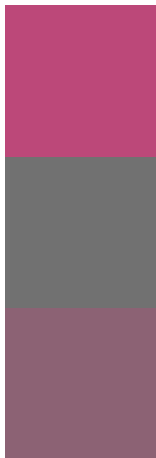
Original Color
48, 51.405, 356.231

Protanomaly
47, 27.722, 324.528

Deuteranomaly
47, 23.873, 353.492

Tritanomaly
48, 47.423, 12.970

Monochromacy



Original Color
48, 51.405, 356.231

Achromatopsia
48, 0.006, 296.813

Achromatomaly
46, 20.177, 350.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 51.405, 356.231 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(188, 72, 121)` looks like.

```
.text, #text, p{  
    color:rgb(188, 72, 121)  
}
```

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(188, 72, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 72, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 51.405, 356.231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

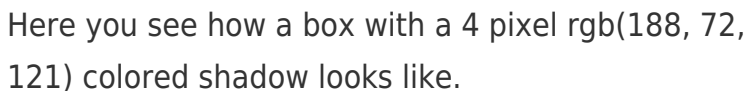
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 72, 121) }
```

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

```
.border{ border-color:rgb(188, 72, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 72, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 72, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 72, 121);  
box-shadow:4px 4px 4px 4px rgb(188, 72,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 51.405, 356.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 72, 121) }
```

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

```
.background{ background-color: rgb(188, 72,  
121) }
```

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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