

Converting Colors

CIELCh(48, 48.622, 9.930)

Have a look what the booklet for
CIELCh(48, 48.622, 9.930) contains.

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Color

CIELCh(48, 48.932, 9.842)

Conversions

Conversions Part 1

Format	Color
Hex	BD4B66
RGB	189, 75, 102
RGB Percent	74%, 29%, 40%
CMY	0.2591, 0.7061, 0.6002
CMYK	0.00, 0.60, 0.46, 0.26
HSL	346°, 46%, 52%
HSV	346°, 60%, 74%
XYZ	25.8798, 16.7945, 14.4353
YIQ	112.1640, 59.2770, 32.5650

Conversions

Conversions Part 2

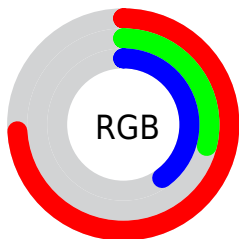
Format	Color
R_{YB}	189, 75, 102
Decimal	12405606
CIE _{Lab}	48.00, 48.21, 8.36
CIE _{LCh}	48, 48.932, 9.842
Yxy	16.7945, 0.4532, 0.2941
Android (android.graphics.Color)	4290595686 (0xFFBD4B66)
YUV	112.1640, -5.0109, 67.3852
Hunter-Lab	40.9810, 41.0071, 7.8022

Details

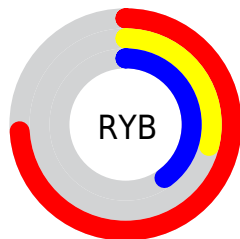
The CIELCh color **48, 48.932, 9.842** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **70, 38.958, 173.977**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 48.805, 9.910**, and **28, 48.841, 10.289** is the 20% darker color. If you saturate the color by 10%, you get **45, 56.308, 12.934**, and if you desaturate by 10%, it is **52, 40.876, 7.400**.

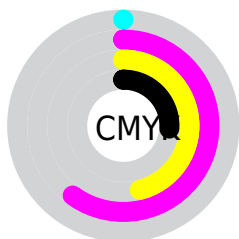
Distribution



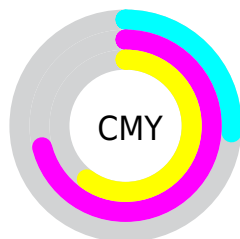
- Red (74%)
- Green (29%)
- Blue (40%)



- Red (74%)
- Yellow (29%)
- Blue (40%)



- Cyan (0%)
- Magenta (60%)
- Yellow (46%)
- Black (26%)



- Cyan (26%)
- Magenta (71%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 48.932, 9.842 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, 48.932, 9.842 by changing the saturation by 10% instead.

 48, 48.932, 9.842  48, 48.932, 9.842


 100, 48.932, 9.842  38, 48.932, 9.842

 68, 48.932, 9.842  28, 48.932, 9.842

 78, 48.932, 9.842  18, 48.932, 9.842

 88, 48.932, 9.842  8, 48.932, 9.842

 98, 48.932, 9.842  0, 48.932, 9.842

 48, 48.932, 9.842  48, 48.932, 9.842

 45, 56.308, 12.934  52, 40.876, 7.400

 42, 62.713, 16.822  56, 32.492, 5.447

 41, 68.033, 21.576  61, 24.069, 3.859

40, 72.516, 26.657

66, 15.815, 2.539

71, 7.854, 1.403

76, 0.249, 358.591

82, 6.980, 179.756

87, 13.838,
178.992

93, 20.344,
178.330

Harmonies

Complementary

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



48, 48.932, 9.842



70, 38.958, 173.977

Rectangle

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



48, 48.932, 9.842



48, 48.932, 59.842



48, 48.932, 189.842



48, 48.932, 239.842

Sweetspot

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



48, 48.929, 9.844



85, 17.204, 2.295



47, 69.632, 319.647



43, 12.026, 2.646



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, 48.929, 9.844



57, 70.725, 13.946



53, 44.231, 44.548



37, 4.294, 1.297



33, 63.169, 25.821



3, 12.634, 6.029

Inverse Universe

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



48, 48.929, 9.844



57, 70.725, 13.946



62, 28.306, 232.467



37, 4.294, 1.297



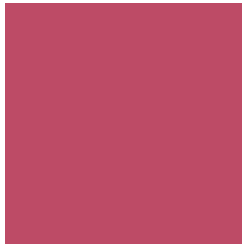
33, 63.169, 25.821



3, 12.634, 6.029

Previews

White Background



This preview shows how the CIELCh color 48, 48.932, 9.842 looks on a white background.

Color Contrast Check

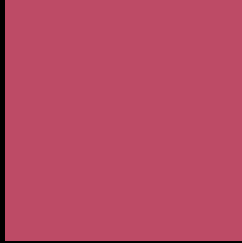
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.932, 9.842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

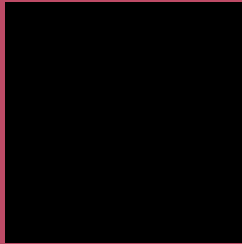
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 48.932, 9.842

Background



This preview shows how black text looks on a background with the CIELCh color 48, 48.932, 9.842.



This preview shows how white text looks on a background with the CIELCh color 48, 48.932, 9.842.

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, 48.932, 9.842

Protanopia

48, 5.305, 290.892

Deuteranopia

48, 12.353, 58.070



Tritanopia
48, 48.772, 23.143

Trichromacy



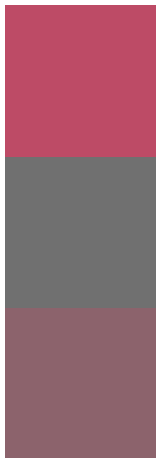
Original Color
48, 48.932, 9.842

Protanomaly
47, 19.037, 354.515

Deuteranomaly
47, 24.500, 19.989

Tritanomaly
48, 48.272, 17.987

Monochromacy



Original Color
48, 48.932, 9.842

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 18.056, 4.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 48.932, 9.842 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(189, 75, 102)` looks like.

```
.text, #text, p{  
    color:rgb(189, 75, 102)  
}
```

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(189, 75, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 75, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 48.932, 9.842 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(189, 75, 102) }
```

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

```
.border{ border-color:rgb(189, 75, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 75, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 75, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 75, 102);  
box-shadow:4px 4px 4px 4px rgb(189, 75,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 48.932, 9.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 75, 102) }
```

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

```
.background{ background-color: rgb(189, 75,  
102) }
```

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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