

Converting Colors

CIELCh(50, 42.537, 9.535)

Have a look what the booklet for
CIELCh(50, 42.537, 9.535) contains.

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Color

CIELCh(50, 42.671, 9.152)

Conversions

Conversions Part 1

Format	Color
Hex	BA576D
RGB	186, 87, 109
RGB Percent	73%, 34%, 43%
CMY	0.2698, 0.6581, 0.5719
CMYK	0.00, 0.53, 0.41, 0.27
HSL	347°, 42%, 54%
HSV	347°, 53%, 73%
XYZ	26.4923, 18.4187, 16.6761
YIQ	119.1090, 51.9420, 27.8300

Conversions

Conversions Part 2

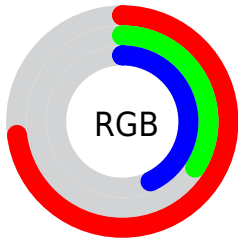
Format	Color
R _Y B	186, 87, 109
Decimal	12212077
CIE Lab	50.00, 42.13, 6.79
CIE LCh	50, 42.671, 9.152
Yxy	18.4187, 0.4302, 0.2991
Android (android.graphics.Color)	4290402157 (0xFFBA576D)
YUV	119.1090, -4.9837, 58.6634
Hunter-Lab	42.9170, 35.0818, 7.0037

Details

The CIELCh color **50, 42.671, 9.152** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **69, 34.499, 176.124**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 42.550, 9.525**, and **30, 42.543, 9.000** is the 20% darker color. If you saturate the color by 10%, you get **46, 50.551, 11.786**, and if you desaturate by 10%, it is **54, 34.401, 7.062**.

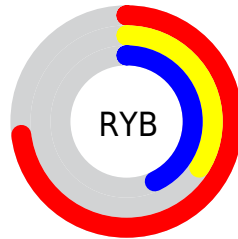
Distribution



Red (73%)

Green (34%)

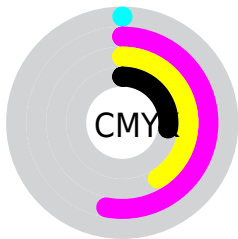
Blue (43%)



Red (73%)

Yellow (34%)

Blue (43%)

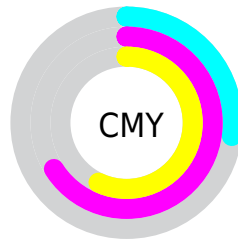


Cyan (0%)

Magenta (53%)

Yellow (41%)

Black (27%)



Cyan (27%)


Magenta (66%)









Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 42.671, 9.152 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 50, 42.671, 9.152 by changing the saturation by 10% instead.

 50, 42.671, 9.152	 50, 42.671, 9.152
 100, 42.671, 9.152	 40, 42.671, 9.152
 70, 42.671, 9.152	 30, 42.671, 9.152
 80, 42.671, 9.152	 20, 42.671, 9.152
 90, 42.671, 9.152	 10, 42.671, 9.152
	 0, 42.671, 9.152

 50, 42.671, 9.152	 50, 42.671, 9.152
 46, 50.551, 11.786	 54, 34.401, 7.062
 43, 57.717, 15.113	 59, 26.052, 5.374
 41, 63.913, 19.265	 64, 17.842, 3.984

■ 40, 69.097, 24.243

■ 69, 9.911, 2.807

■ 39, 72.362, 27.784

■ 74, 2.332, 1.666

■ 79, 4.867, 181.116

■ 85, 11.690,
180.311

■ 90, 18.153,
179.633

■ 95, 24.285,
179.031

Harmonies

Complementary

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



50, 42.671, 9.152



69, 34.499, 176.124

Rectangle

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



50, 42.671, 9.152



50, 42.671, 59.152



50, 42.671, 189.152



50, 42.671, 239.152

Sweetspot

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



50, 42.668, 9.154



85, 15.014, 3.153



50, 61.493, 319.976



44, 10.269, 3.392



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 42.668, 9.154



59, 63.302, 12.353



55, 37.214, 45.887



37, 4.269, 2.393



33, 63.733, 27.019



3, 12.590, 6.835

Inverse Universe

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



50, 42.668, 9.154



59, 63.302, 12.353



62, 25.628, 233.535



37, 4.269, 2.393



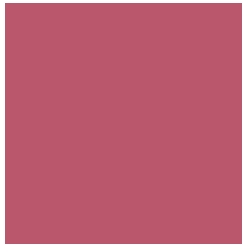
33, 63.733, 27.019



3, 12.590, 6.835

Previews

White Background



This preview shows how the CIELCh color 50, 42.671, 9.152 looks on a white background.

Color Contrast Check

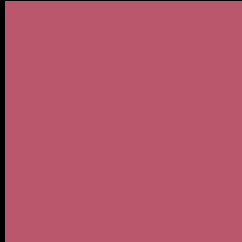
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 42.671, 9.152 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 50, 42.671, 9.152

Background



This preview shows how black text looks on a background with the CIELCh color 50, 42.671, 9.152.



This preview shows how white text looks on a background with the CIELCh color 50, 42.671, 9.152.

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

50, 42.671, 9.152

Protanopia

50, 4.702, 295.570

Deuteranopia

50, 10.768, 52.751



Tritanopia
50, 41.581, 20.753

Trichromacy



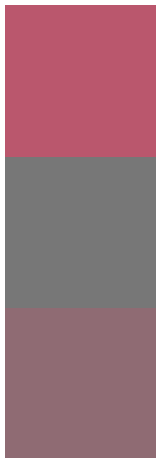
Original Color
50, 42.671, 9.152

Protanomaly
49, 17.159, 353.288

Deuteranomaly
50, 21.073, 18.939

Tritanomaly
50, 41.559, 16.246

Monochromacy



Original Color
50, 42.671, 9.152

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 15.675, 4.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 42.671, 9.152 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(186, 87, 109)` looks like.

```
.text, #text, p{  
    color:rgb(186, 87, 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(186, 87, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 87, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 42.671, 9.152 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(186, 87, 109) }
```

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

```
.border{ border-color:rgb(186, 87, 109) }
```

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

Here you see how a box with a 4 pixel rgb(186, 87, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 87, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 87, 109);  
box-shadow:4px 4px 4px 4px rgb(186, 87,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 42.671, 9.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 87, 109) }
```

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

```
.background{ background-color: rgb(186, 87,  
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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