

Converting Colors

CIELCh(50, 67.225, 332.192)

Have a look what the booklet for
CIELCh(50, 67.225, 332.192)
contains.

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Color

CIELCh(50, 67.157, 332.445)

Conversions

Conversions Part 1

Format	Color
Hex	BE47AD
RGB	190, 71, 173
RGB Percent	75%, 28%, 68%
CMY	0.2556, 0.7222, 0.3222
CMYK	0.00, 0.63, 0.09, 0.26
HSL	309°, 48%, 51%
HSV	309°, 63%, 74%
XYZ	30.9590, 18.4187, 41.3728
YIQ	118.2090, 38.1820, 56.9500

Conversions

Conversions Part 2

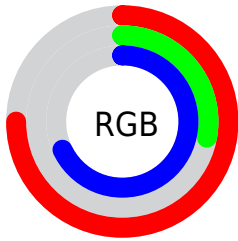
Format	Color
R_{YB}	190, 71, 173
Decimal	12470189
CIE _{Lab}	50.00, 59.54, -31.07
CIE _{LCh}	50, 67.157, 332.445
Yxy	18.4187, 0.3411, 0.2030
Android (android.graphics.Color)	4290660269 (0xFFBE47AD)
YUV	118.2090, 27.0120, 62.9607
Hunter-Lab	42.9170, 53.6598, -27.1149

Details

The CIELCh color $50, 67.157, 332.445$ is a dark color, and the websafe version is hex `CC66CC`. A complement of this color would be $69, 68.360, 142.659$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 67.056, 332.426$, and $30, 66.146, 332.422$ is the 20% darker color. If you saturate the color by 10%, you get $47, 74.293, 333.068$, and if you desaturate by 10%, it is $53, 58.278, 331.824$.

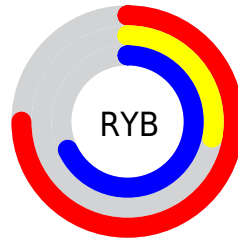
Distribution



Red (75%)

Green (28%)

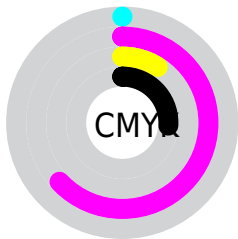
Blue (68%)



Red (75%)

Yellow (28%)

Blue (68%)

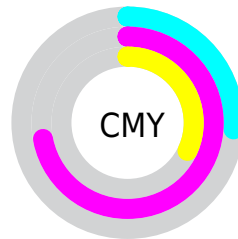


Cyan (0%)

Magenta (63%)

Yellow (9%)

Black (26%)



Cyan (26%)

Magenta (72%)


Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 67.157, 332.445 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, 67.157, 332.445 by changing the saturation by 10% instead.


 50, 67.157,
332.445


 50, 67.157,
332.445


 100, 67.157,
332.445


 40, 67.157,
332.445


 70, 67.157,
332.445

 30, 67.157,
332.445

 80, 67.157,
332.445

 20, 67.157,
332.445

 90, 67.157,
332.445

 10, 67.157,
332.445

 0, 67.157, 332.445

 50, 67.157,
332.445

 50, 67.157,
332.445

47, 74.293,
333.068

53, 58.278,
331.824

45, 79.282,
333.704

57, 48.150,
331.201

44, 81.931,
334.372

61, 37.231,
330.577

44, 82.763,
334.885

66, 25.899,
329.956

71, 14.437,
329.340

76, 3.041, 328.674

81, 8.162, 148.228

86, 19.096,
147.658

91, 29.722,
147.127

Harmonies

Complementary

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



50, 67.157, 332.445



69, 68.360, 142.659

Rectangle

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



50, 67.157, 332.445



50, 67.157, 22.445



50, 67.157, 152.445



50, 67.157, 202.445

Sweetspot

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



50, 67.154, 332.445



86, 26.877, 329.748



38, 72.081, 302.786



44, 18.659, 329.926



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



50, 67.154, 332.445



60, 93.108, 333.290



48, 51.648, 0.543



37, 6.405, 329.133



36, 72.397, 334.780



3, 18.656, 331.243

Inverse Universe

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



50, 67.154, 332.445



60, 93.108, 333.290



70, 45.364, 164.203



37, 6.405, 329.133



36, 72.397, 334.780



3, 18.656, 331.243

Previews

White Background



This preview shows how the CIELCh color 50, 67.157, 332.445 looks on a white background.

Color Contrast Check

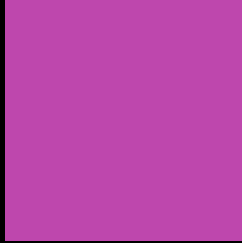
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.157, 332.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

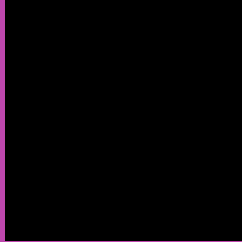
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 67.157, 332.445

Background



This preview shows how black text looks on a background with the CIELCh color 50, 67.157, 332.445.

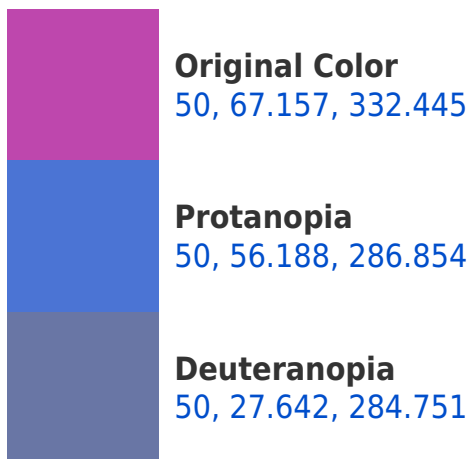


This preview shows how white text looks on a background with the CIELCh color 50, 67.157, 332.445.

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





Tritanopia
50, 39.316, 20.066

Trichromacy



Original Color
50, 67.157, 332.445



Protanomaly
48, 57.801, 301.915



Deuteranomaly
49, 41.210, 311.750



Tritanomaly
50, 45.292, 355.910

Monochromacy



Original Color
50, 67.157, 332.445



Achromatopsia
50, 0.007, 296.813



Achromatomaly
48, 27.252, 330.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 67.157, 332.445 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(190, 71, 173)` looks like.

```
.text, #text, p{  
    color:rgb(190, 71, 173)  
}
```

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(190, 71, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 71, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 67.157, 332.445 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(190, 71, 173) }
```

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

```
.border{ border-color:rgb(190, 71, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 71, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 71, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 71, 173);  
box-shadow:4px 4px 4px 4px rgb(190, 71,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 67.157, 332.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 71, 173) }
```

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

```
.background{ background-color: rgb(190, 71,  
173) }
```

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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