

Converting Colors

CIELCh(48, 68.576, 331.741)

Have a look what the booklet for
CIELCh(48, 68.576, 331.741)
contains.

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Color

CIELCh(48, 68.650, 331.587)

Conversions

Conversions Part 1

Format	Color
Hex	B840AA
RGB	184, 64, 170
RGB Percent	72%, 25%, 67%
CMY	0.2779, 0.7485, 0.3329
CMYK	0.00, 0.65, 0.08, 0.28
HSL	307°, 48%, 49%
HSV	307°, 65%, 72%
XYZ	28.9059, 16.7945, 39.8080
YIQ	111.9640, 37.4940, 58.4060

Conversions

Conversions Part 2

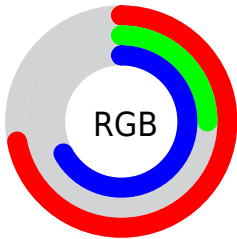
Format	Color
RYB	184, 64, 170
Decimal	12075178
CIELab	48.00, 60.38, -32.67
CIELCh	48, 68.650, 331.587
Yxy	16.7945, 0.3380, 0.1964
Android (android.graphics.Color)	4290265258 (0xFFB840AA)
YUV	111.9640, 28.6117, 63.1756
Hunter-Lab	40.9810, 54.1878, -28.9062

Details

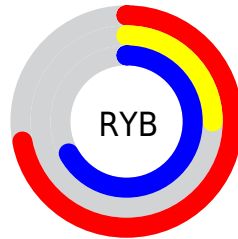
The CIELCh color $48, 68.650, 331.587$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $67, 70.106, 141.605$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 68.856, 331.576$, and $29, 64.938, 331.854$ is the 20% darker color. If you saturate the color by 10%, you get $46, 75.288, 332.137$, and if you desaturate by 10%, it is $51, 60.197, 331.022$.

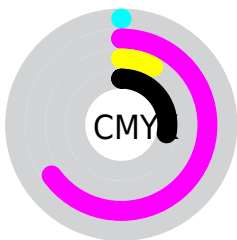
Distribution



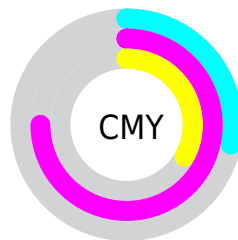
- Red (72%)
- Green (25%)
- Blue (67%)



- Red (72%)
- Yellow (25%)
- Blue (67%)



- Cyan (0%)
- Magenta (65%)
- Yellow (8%)
- Black (28%)



- Cyan (28%)
- Magenta (75%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 68.650, 331.587 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, 68.650, 331.587 by changing the saturation by 10% instead.

 48, 68.650,
331.587

 48, 68.650,
331.587


 100, 68.650,
331.587

 38, 68.650,
331.587

 68, 68.650,
331.587

 28, 68.650,
331.587

 78, 68.650,
331.587

 18, 68.650,
331.587


 88, 68.650,
331.587

 8, 68.650, 331.587

 98, 68.650,
331.587

 0, 68.650, 331.587

 48, 68.650,

 48, 68.650,

331.587

331.587

■ 46, 75.288,
332.137

■ 51, 60.197,
331.022

■ 44, 79.763,
332.680

■ 55, 50.399,
330.441

■ 43, 81.967,
333.231

■ 59, 39.716,
329.848

■ 43, 82.579,
333.500

■ 63, 28.538,
329.250

■ 68, 17.167,
328.651

■ 72, 5.818, 328.037

■ 77, 5.370, 147.566

■ 82, 16.308,
146.985

■ 87, 26.949,
146.454

Harmonies

Complementary

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



48, 68.650, 331.587



67, 70.106, 141.605

Rectangle

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



48, 68.650, 331.587



48, 68.650, 21.587



48, 68.650, 151.587



48, 68.650, 201.587

Sweetspot

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



48, 68.648, 331.587



83, 28.089, 328.960



36, 73.320, 302.805



42, 19.158, 329.127



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



48, 68.648, 331.587



58, 94.341, 332.362



46, 52.275, 359.886



36, 6.377, 328.299



36, 72.989, 333.424



3, 16.706, 329.726

Inverse Universe

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



48, 68.648, 331.587



58, 94.341, 332.362



67, 46.367, 162.758



36, 6.377, 328.299



36, 72.989, 333.424



3, 16.706, 329.726

Previews

White Background



This preview shows how the CIELCh color 48, 68.650, 331.587 looks on a white background.

Color Contrast Check

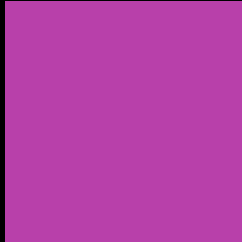
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.650, 331.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

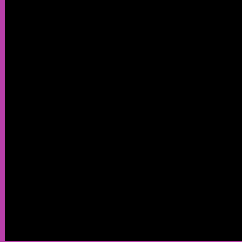
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 68.650, 331.587

Background



This preview shows how black text looks on a background with the CIELCh color 48, 68.650, 331.587.

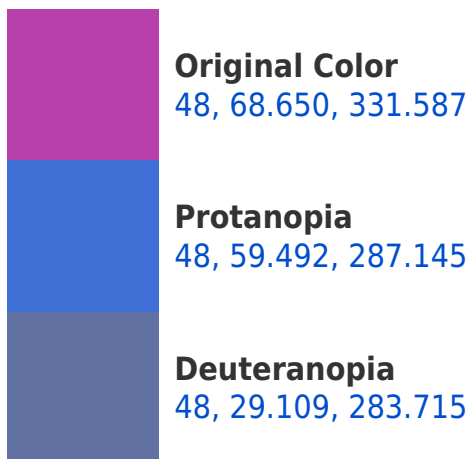


This preview shows how white text looks on a background with the CIELCh color 48, 68.650, 331.587.

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](#).

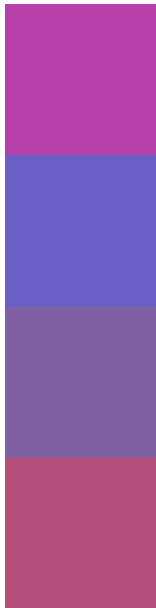
Dichromacy





Tritanopia
48, 39.198, 20.225

Trichromacy



Original Color
48, 68.650, 331.587

Protanomaly
46, 61.074, 301.035

Deuteranomaly
46, 43.091, 310.710

Tritanomaly
48, 45.275, 355.156

Monochromacy



Original Color
48, 68.650, 331.587

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 27.894, 329.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 68.650, 331.587 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(184, 64, 170)` looks like.

```
.text, #text, p{  
    color:rgb(184, 64, 170)  
}
```

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(184, 64, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 64, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 68.650, 331.587 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(184, 64, 170) }
```

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

```
.border{ border-color:rgb(184, 64, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 64, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 64, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 64, 170);  
box-shadow:4px 4px 4px 4px rgb(184, 64,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 68.650, 331.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 64, 170) }
```

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

```
.background{ background-color: rgb(184, 64,  
170) }
```

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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