

Converting Colors

CIELCh(49, 58.710, 333.198)

Have a look what the booklet for
CIELCh(49, 58.710, 333.198)
contains.

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Color

CIELCh(49, 58.613, 333.327)

Conversions

Conversions Part 1

Format	Color
Hex	B44DA2
RGB	180, 77, 162
RGB Percent	71%, 30%, 64%
CMY	0.2945, 0.6984, 0.3650
CMYK	0.00, 0.57, 0.10, 0.29
HSL	310°, 41%, 50%
HSV	310°, 57%, 71%
XYZ	27.9635, 17.5941, 36.0655
YIQ	117.4870, 34.1030, 48.2710

Conversions

Conversions Part 2

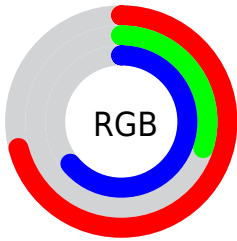
Format	Color
R_{YB}	180, 77, 162
Decimal	11816354
CIE _{Lab}	49.00, 52.38, -26.31
CIE _{LCh}	49, 58.613, 333.327
Yxy	17.5941, 0.3426, 0.2156
Android (android.graphics.Color)	4290006434 (0xFFB44DA2)
YUV	117.4870, 21.9449, 54.8239
Hunter-Lab	41.9453, 45.5957, -21.6172

Details

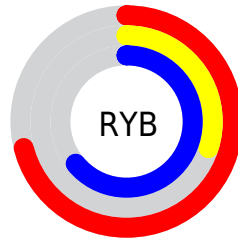
The CIELCh color **49, 58.613, 333.327** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **66, 59.187, 144.383**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 58.511, 333.375**, and **29, 58.681, 333.203** is the 20% darker color. If you saturate the color by 10%, you get **46, 66.276, 334.023**, and if you desaturate by 10%, it is **52, 49.568, 332.650**.

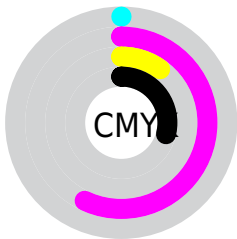
Distribution



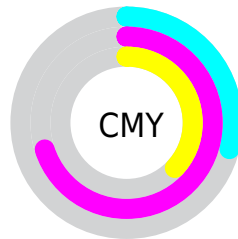
- Red (71%)
- Green (30%)
- Blue (64%)



- Red (71%)
- Yellow (30%)
- Blue (64%)



- Cyan (0%)
- Magenta (57%)
- Yellow (10%)
- Black (29%)



- Cyan (29%)
- Magenta (70%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 58.613, 333.327 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 49, 58.613, 333.327 by changing the saturation by 10% instead.


 49, 58.613,
333.327


 49, 58.613,
333.327


 100, 58.613,
333.327

 39, 58.613,
333.327

 69, 58.613,
333.327


 29, 58.613,
333.327

 79, 58.613,
333.327

 19, 58.613,
333.327

 89, 58.613,
333.327

 9, 58.613, 333.327

 99, 58.613,
333.327

 0, 58.613, 333.327

 49, 58.613,

 49, 58.613,

333.327

■ 46, 66.276,
334.023

■ 44, 72.113,
334.750

■ 42, 75.798,
335.532

■ 41, 77.356,
336.393

■ 41, 77.644,
336.637

333.327

■ 52, 49.568,
332.650

■ 56, 39.606,
331.986

■ 61, 29.118,
331.335

■ 65, 18.407,
330.695

■ 70, 7.691, 330.059

■ 75, 2.887, 149.598

■ 79, 13.238,
148.952

■ 84, 23.314,
148.399

■ 89, 33.092,
147.879

Harmonies

Complementary

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



49, 58.613, 333.327



66, 59.187, 144.383

Rectangle

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



49, 58.613, 333.327



49, 58.613, 23.327



49, 58.613, 153.327



49, 58.613, 203.327

Sweetspot

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



49, 58.611, 333.327



83, 22.515, 330.698



40, 62.530, 302.735



43, 15.057, 330.823



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



49, 58.611, 333.327



59, 83.192, 334.233



47, 45.259, 1.672



35, 5.981, 330.193



35, 69.013, 336.510



2, 13.645, 332.318

Inverse Universe

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



49, 58.611, 333.327



59, 83.192, 334.233



67, 39.183, 167.286



35, 5.981, 330.193



35, 69.013, 336.510



2, 13.645, 332.318

Previews

White Background



This preview shows how the CIELCh color 49, 58.613, 333.327 looks on a white background.

Color Contrast Check

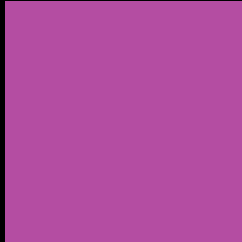
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 58.613, 333.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

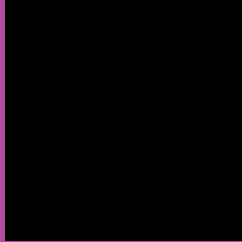
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 58.613, 333.327

Background



This preview shows how black text looks on a background with the CIELCh color 49, 58.613, 333.327.

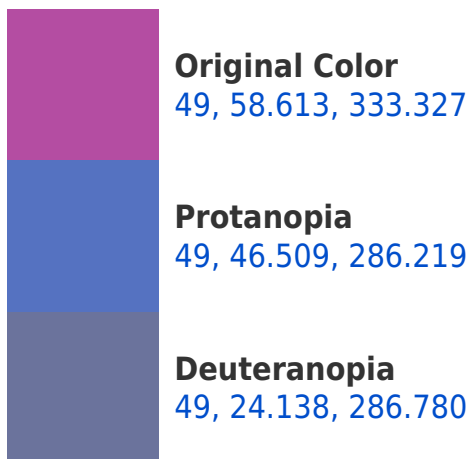


This preview shows how white text looks on a background with the CIELCh color 49, 58.613, 333.327.

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
49, 34.952, 18.751

Trichromacy



Original Color
49, 58.613, 333.327

Protanomaly
48, 48.195, 303.064

Deuteranomaly
48, 35.644, 313.377

Tritanomaly
49, 40.296, 355.999

Monochromacy



Original Color
49, 58.613, 333.327

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 23.485, 331.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 58.613, 333.327 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(180, 77, 162)` looks like.

```
.text, #text, p{  
    color:rgb(180, 77, 162)  
}
```

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(180, 77, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 77, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 58.613, 333.327 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(180, 77, 162) }
```

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

```
.border{ border-color:rgb(180, 77, 162) }
```

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

Here you see how a box with a 4 pixel rgb(180, 77, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 77, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 77, 162);  
box-shadow:4px 4px 4px 4px rgb(180, 77,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 58.613, 333.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 77, 162) }
```

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

```
.background{ background-color: rgb(180, 77,  
162) }
```

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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