

Converting Colors

CIELCh(48, 54.539, 332.755)

Have a look what the booklet for
CIELCh(48, 54.539, 332.755)
contains.

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Color

CIELCh(48, 54.370, 332.581)

Conversions

Conversions Part 1

Format	Color
Hex	AC4F9D
RGB	172, 79, 157
RGB Percent	67%, 31%, 62%
CMY	0.3255, 0.6902, 0.3843
CMYK	0.00, 0.54, 0.09, 0.33
HSL	310°, 37%, 49%
HSV	310°, 54%, 67%
XYZ	25.8919, 16.7945, 33.7716
YIQ	115.6990, 30.3900, 43.9740

Conversions

Conversions Part 2

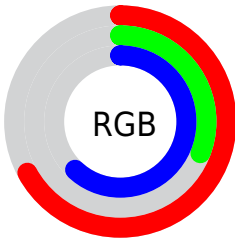
Format	Color
R_{YB}	172, 79, 157
Decimal	11292573
CIE _{Lab}	48.00, 48.26, -25.04
CIE _{LCh}	48, 54.370, 332.581
Yxy	16.7945, 0.3386, 0.2197
Android (android.graphics.Color)	4289482653 (0xFFAC4F9D)
YUV	115.6990, 20.3614, 49.3760
Hunter-Lab	40.9810, 41.0596, -20.1729

Details

The CIELCh color **48, 54.370, 332.581** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **63, 54.754, 144.406**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 54.424, 332.389**, and **28, 54.096, 332.710** is the 20% darker color. If you saturate the color by 10%, you get **45, 62.325, 333.237**, and if you desaturate by 10%, it is **51, 45.230, 331.933**.

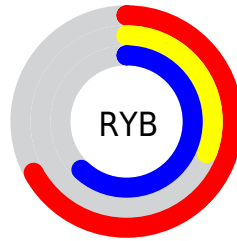
Distribution



Red (67%)

Green (31%)

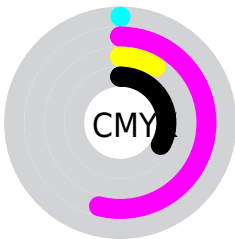
Blue (62%)



Red (67%)

Yellow (31%)

Blue (62%)

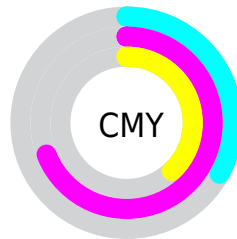


Cyan (0%)

Magenta (54%)

Yellow (9%)

Black (33%)



Cyan (33%)


Magenta (69%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 54.370, 332.581 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, 54.370, 332.581 by changing the saturation by 10% instead.


 48, 54.370,
332.581


 48, 54.370,
332.581


 100, 54.370,
332.581


 38, 54.370,
332.581

 68, 54.370,
332.581


 28, 54.370,
332.581

 78, 54.370,
332.581

 18, 54.370,
332.581

 88, 54.370,
332.581

 8, 54.370, 332.581

 98, 54.370,
332.581

 0, 54.370, 332.581

 48, 54.370,

 48, 54.370,

332.581

■ 45, 62.325,
333.237

■ 43, 68.659,
333.909

■ 41, 73.005,
334.613

■ 40, 75.207,
335.373

■ 39, 75.898,
335.844

332.581

■ 51, 45.230,
331.933

■ 55, 35.335,
331.292

■ 60, 25.035,
330.659

■ 64, 14.594,
330.035

■ 68, 4.197, 329.390

■ 73, 6.036, 148.918

■ 78, 16.031,
148.335

■ 83, 25.751,
147.798

■ 87, 35.179,
147.291

Harmonies

Complementary

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



48, 54.370, 332.581



63, 54.754, 144.406

Rectangle

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



48, 54.370, 332.581



48, 54.370, 22.581



48, 54.370, 152.581



48, 54.370, 202.581

Sweetspot

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



48, 54.368, 332.581



80, 20.624, 330.172



39, 56.665, 301.840



41, 13.917, 330.296



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



48, 54.368, 332.581



58, 77.815, 333.377



46, 41.543, 359.720



34, 5.895, 329.737



34, 68.871, 335.748



2, 11.846, 331.366

Inverse Universe

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



48, 54.368, 332.581



58, 77.815, 333.377



64, 36.582, 166.654



34, 5.895, 329.737



34, 68.871, 335.748



2, 11.846, 331.366

Previews

White Background



This preview shows how the CIELCh color 48, 54.370, 332.581 looks on a white background.

Color Contrast Check

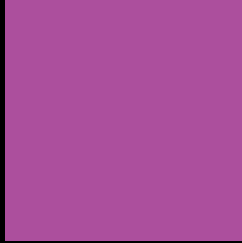
Large Text (above 18pt) WCAG AA ✓ Pass

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, 54.370, 332.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

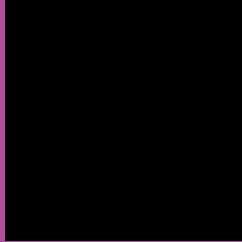
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 54.370, 332.581

Background



This preview shows how black text looks on a background with the CIELCh color 48, 54.370, 332.581.



This preview shows how white text looks on a background with the CIELCh color 48, 54.370, 332.581.

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, 54.370, 332.581

Protanopia

48, 42.562, 285.995

Deuteranopia

48, 22.472, 286.040



Tritanopia
48, 31.867, 16.716

Trichromacy



Original Color
48, 54.370, 332.581

Protanomaly
47, 44.264, 303.106

Deuteranomaly
47, 32.445, 311.959

Tritanomaly
48, 36.913, 354.152

Monochromacy



Original Color
48, 54.370, 332.581

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 20.975, 330.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 54.370, 332.581 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(172, 79, 157)` looks like.

```
.text, #text, p{  
    color:rgb(172, 79, 157)  
}
```

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(172, 79, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 79, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 54.370, 332.581 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(172, 79, 157) }
```

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

```
.border{ border-color:rgb(172, 79, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 79, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 79, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 79, 157);  
box-shadow:4px 4px 4px 4px rgb(172, 79,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 54.370, 332.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 79, 157) }
```

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

```
.background{ background-color: rgb(172, 79,  
157) }
```

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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