

Converting Colors

CIELCh(49, 55.137, 326.975)

Have a look what the booklet for
CIELCh(49, 55.137, 326.975)
contains.

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Color

CIELCh(49, 54.903, 326.978)

Conversions

Conversions Part 1

Format	Color
Hex	A855A8
RGB	168, 85, 168
RGB Percent	66%, 33%, 66%
CMY	0.3419, 0.6673, 0.3419
CMYK	0.00, 0.49, 0.00, 0.34
HSL	300°, 33%, 50%
HSV	300°, 49%, 66%
XYZ	26.3941, 17.5941, 38.9613
YIQ	119.2790, 22.8250, 43.4090

Conversions

Conversions Part 2

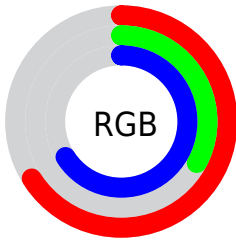
Format	Color
R_{YB}	168, 85, 168
Decimal	11031976
CIE _{Lab}	49.00, 46.03, -29.92
CIE _{LCh}	49, 54.903, 326.978
Yxy	17.5941, 0.3182, 0.2121
Android (android.graphics.Color)	4289222056 (0xFFA855A8)
YUV	119.2790, 24.0195, 42.7283
Hunter-Lab	41.9453, 38.9168, -25.7105

Details

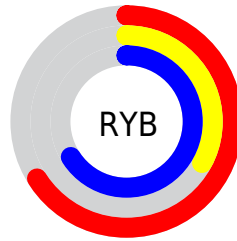
The CIELCh color **49, 54.903, 326.978** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **62, 55.167, 140.498**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 54.542, 327.167**, and **29, 54.892, 326.941** is the 20% darker color. If you saturate the color by 10%, you get **46, 64.249, 327.386**, and if you desaturate by 10%, it is **52, 44.513, 326.514**.

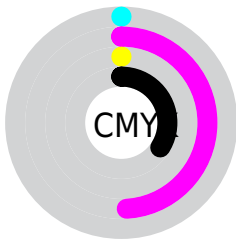
Distribution



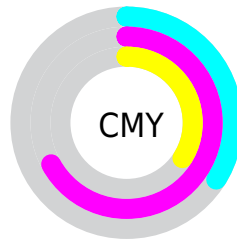
- Red (66%)
- Green (33%)
- Blue (66%)



- Red (66%)
- Yellow (33%)
- Blue (66%)



- Cyan (0%)
- Magenta (49%)
- Yellow (0%)
- Black (34%)





- Cyan (34%)
- Magenta (67%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 54.903, 326.978 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, 54.903, 326.978 by changing the saturation by 10% instead.


 49, 54.903,
326.978


 49, 54.903,
326.978


 100, 54.903,
326.978

 39, 54.903,
326.978

 69, 54.903,
326.978


 29, 54.903,
326.978

 79, 54.903,
326.978

 19, 54.903,
326.978

 89, 54.903,
326.978

 9, 54.903, 326.978

 99, 54.903,
326.978

 0, 54.903, 326.978

 49, 54.903,

 49, 54.903,

326.978

46, 64.249,
327.386

44, 72.132,
327.721

42, 78.169,
327.973

40, 82.139,
328.136

40, 84.368,
328.226

40, 84.481,
328.230

326.978

52, 44.513,
326.514

56, 33.483,
326.008

60, 22.135,
325.477

65, 10.714,
324.928

69, 0.609, 144.784

74, 11.721,
143.905

78, 22.554,
143.385

83, 33.073,
142.894

 88, 43.262,
142.429

Harmonies

Complementary

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



49, 54.903, 326.978



62, 55.167, 140.498

Rectangle

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



49, 54.903, 326.978



49, 54.903, 16.978



49, 54.903, 146.978



49, 54.903, 196.978

Sweetspot

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



49, 54.901, 326.978



79, 21.197, 325.250



40, 49.502, 296.614



41, 14.449, 325.360



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 54.901, 326.978



59, 79.101, 327.410



47, 40.211, 347.810



33, 6.429, 324.919



35, 76.993, 328.230



2, 11.673, 324.437

Inverse Universe

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



46, 37.467, 24.859



55, 57.049, 27.270



63, 38.323, 157.717



33, 3.724, 19.902



30, 69.025, 39.357



1, 6.572, 19.401

Previews

White Background



This preview shows how the CIELCh color 49, 54.903, 326.978 looks on a white background.

Color Contrast Check

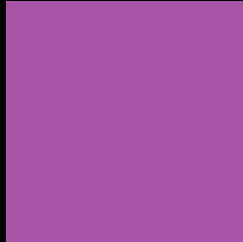
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 54.903, 326.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

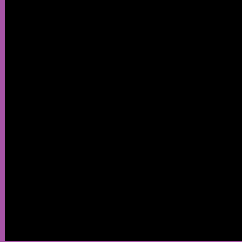
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 54.903, 326.978

Background



This preview shows how black text looks on a background with the CIELCh color 49, 54.903, 326.978.

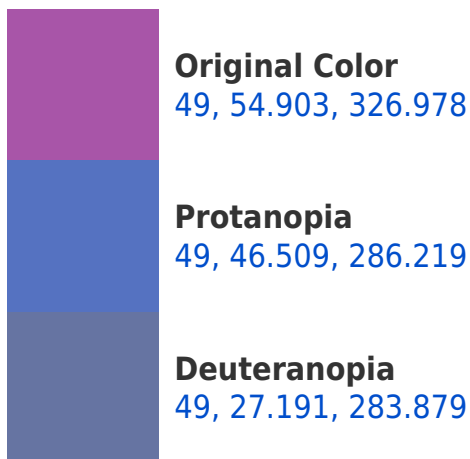


This preview shows how white text looks on a background with the CIELCh color 49, 54.903, 326.978.

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, 26.406, 12.984

Trichromacy



Original Color
49, 54.903, 326.978

Protanomaly
48, 47.927, 300.437

Deuteranomaly
49, 35.606, 306.111

Tritanomaly
49, 33.686, 347.407

Monochromacy



Original Color
49, 54.903, 326.978

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 21.118, 325.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 54.903, 326.978 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(168, 85, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 85, 168)  
}
```

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(168, 85, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 85, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 54.903, 326.978 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(168, 85, 168) }
```

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

```
.border{ border-color:rgb(168, 85, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 85, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 85, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 85, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 85,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 54.903, 326.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 85, 168) }
```

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

```
.background{ background-color: rgb(168, 85,  
168) }
```

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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