

Converting Colors

CIELCh(49, 95.329, 318.261)

Have a look what the booklet for
CIELCh(49, 95.329, 318.261)
contains.

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Color

CIELCh(49, 95.404, 318.199)

Conversions

Conversions Part 1

Format	Color
Hex	AF39E2
RGB	175, 57, 226
RGB Percent	69%, 22%, 89%
CMY	0.3128, 0.7755, 0.1128
CMYK	0.23, 0.75, 0.00, 0.11
HSL	282°, 75%, 56%
HSV	282°, 75%, 89%
XYZ	32.9637, 17.5941, 73.7716
YIQ	111.5480, 16.0790, 77.5750

Conversions

Conversions Part 2

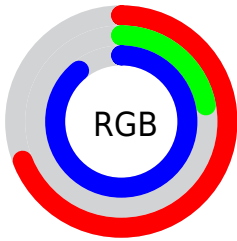
Format	Color
R_{YB}	175, 57, 226
Decimal	11483618
CIE _{Lab}	49.00, 71.12, -63.59
CIE _{LCh}	49, 95.404, 318.199
Yxy	17.5941, 0.2651, 0.1415
Android (android.graphics.Color)	4289673698 (0xFFAF39E2)
YUV	111.5480, 56.4248, 55.6474
Hunter-Lab	41.9453, 66.8742, -74.9151

Details

The CIELCh color **49, 95.404, 318.199** is a light color, and the websafe version is hex **9933CC**. The color can be described as light washed purple. A complement of this color would be **81, 91.258, 132.225**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 82.480, 322.866**, and **31, 88.539, 317.054** is the 20% darker color. If you saturate the color by 10%, you get **46, 103.117, 318.014**, and if you desaturate by 10%, it is **53, 85.241, 318.144**.

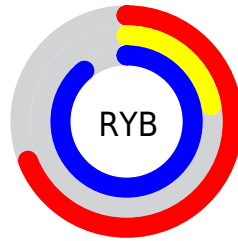
Distribution



Red (69%)

Green (22%)

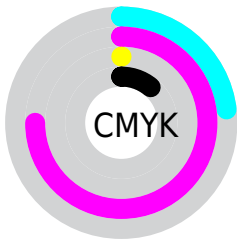
Blue (89%)



Red (69%)

Yellow (22%)

Blue (89%)

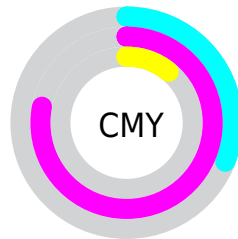


Cyan (23%)

Magenta (75%)

Yellow (0%)

Black (11%)



Cyan (31%)

Magenta (78%)

Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 95.404, 318.199 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, 95.404, 318.199 by changing the saturation by 10% instead.


 49, 95.404,
318.199


 49, 95.404,
318.199


 100, 95.404,
318.199


 39, 95.404,
318.199

 69, 95.404,
318.199


 29, 95.404,
318.199

 79, 95.404,
318.199

 19, 95.404,
318.199

 89, 95.404,
318.199

 9, 95.404, 318.199

 99, 95.404,
318.199

 0, 95.404, 318.199

 49, 95.404,

 49, 95.404,

318.199

■ 46, 103.117,
318.014

■ 43, 107.880,
317.529

■ 42, 109.503,
317.183

318.199

■ 53, 85.241,
318.144

■ 58, 73.342,
317.915

■ 63, 60.374,
317.574


■ 69, 46.863,
317.168

■ 75, 33.183,
316.732

■ 81, 19.576,
316.289

■ 87, 6.191, 315.840

■ 93, 6.887, 135.495

 98, 16.079,
133.228

Harmonies

Complementary

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



49, 95.404, 318.199



81, 91.258, 132.225

Rectangle

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



49, 95.404, 318.199



49, 95.404, 8.199



49, 95.404, 138.199



49, 95.404, 188.199

Sweetspot

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



49, 95.403, 318.199



85, 32.515, 316.619



49, 67.605, 289.099



43, 21.892, 316.740



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 95.403, 318.199



50, 116.368, 317.767



55, 84.256, 335.035



44, 7.475, 316.057



33, 90.667, 317.341



5, 34.838, 317.727

Inverse Universe

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



52, 67.876, 9.559



55, 83.838, 16.655



80, 87.899, 141.935



44, 5.105, 356.676



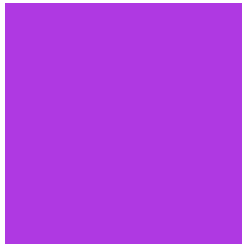
37, 66.250, 20.727



6, 25.362, 7.601

Previews

White Background



This preview shows how the CIELCh color 49, 95.404, 318.199 looks on a white background.

Color Contrast Check

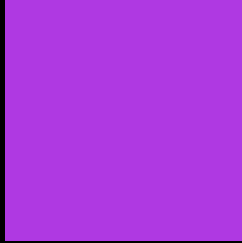
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.404, 318.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

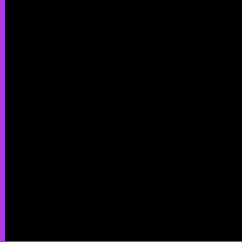
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 95.404, 318.199

Background



This preview shows how black text looks on a background with the CIELCh color 49, 95.404, 318.199.



This preview shows how white text looks on a background with the CIELCh color 49, 95.404, 318.199.

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

49, 95.404, 318.199

Protanopia

49, 73.257, 287.197

Deuteranopia

49, 54.884, 277.160



Tritanopia
49, 24.181, 13.051

Trichromacy



Original Color
49, 95.404, 318.199



Protanomaly
45, 82.892, 296.405



Deuteranomaly
45, 70.425, 293.405



Tritanomaly
48, 47.135, 332.308

Monochromacy



Original Color
49, 95.404, 318.199



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 39.763, 317.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 95.404, 318.199 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(175, 57, 226)` looks like.

```
.text, #text, p{  
    color:rgb(175, 57, 226)  
}
```

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(175, 57, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 57, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 95.404, 318.199 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(175, 57, 226) }
```

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

```
.border{ border-color:rgb(175, 57, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 57, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 57, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 57, 226);  
box-shadow:4px 4px 4px 4px rgb(175, 57,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 95.404, 318.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 57, 226) }
```

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

```
.background{ background-color: rgb(175, 57,  
226) }
```

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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