

Converting Colors

CIELCh(49, 77.776, 316.630)

Have a look what the booklet for
CIELCh(49, 77.776, 316.630)
contains.

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Color

CIELCh(49, 77.716, 316.603)

Conversions

Conversions Part 1

Format	Color
Hex	A24DD0
RGB	162, 77, 208
RGB Percent	64%, 30%, 82%
CMY	0.3640, 0.6974, 0.1836
CMYK	0.22, 0.63, 0.00, 0.18
HSL	279°, 58%, 56%
HSV	279°, 63%, 82%
XYZ	29.0090, 17.5941, 61.6564
YIQ	117.3490, 8.6090, 58.7610

Conversions

Conversions Part 2

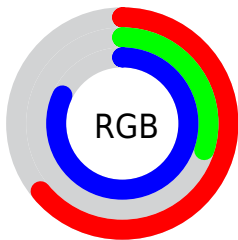
Format	Color
R _{YB}	162, 77, 208
Decimal	10636752
CIE Lab	49.00, 56.47, -53.39
CIE LCh	49, 77.716, 316.603
Yxy	17.5941, 0.2680, 0.1625
Android (android.graphics.Color)	4288826832 (0xFFA24DD0)
YUV	117.3490, 44.6909, 39.1589
Hunter-Lab	41.9453, 50.0447, -57.7902

Details

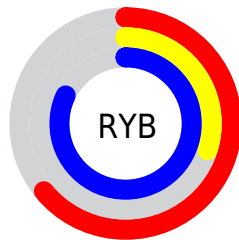
The CIELCh color **49, 77.716, 316.603** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **76, 73.572, 131.149**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 72.417, 318.339**, and **29, 77.772, 316.533** is the 20% darker color. If you saturate the color by 10%, you get **45, 87.888, 316.722**, and if you desaturate by 10%, it is **54, 66.162, 316.323**.

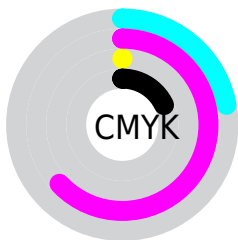
Distribution



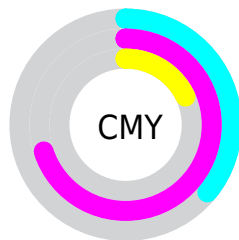
- Red (64%)
- Green (30%)
- Blue (82%)



- Red (64%)
- Yellow (30%)
- Blue (82%)



- Cyan (22%)
- Magenta (63%)
- Yellow (0%)
- Black (18%)



- Cyan (36%)
- Magenta (70%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 77.716, 316.603 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, 77.716, 316.603 by changing the saturation by 10% instead.

 49, 77.716,
316.603

 49, 77.716,
316.603

 100, 77.716,
316.603

 39, 77.716,
316.603

 69, 77.716,
316.603

 29, 77.716,
316.603

 79, 77.716,
316.603

 19, 77.716,
316.603

 89, 77.716,
316.603

 9, 77.716, 316.603

 99, 77.716,
316.603

 0, 77.716, 316.603

 49, 77.716,

 49, 77.716,

316.603

45, 87.888,
316.722

41, 95.983,
316.605

39, 101.391,
316.176

37, 103.837,
315.718

316.603

54, 66.162,
316.323

59, 53.830,
315.944

64, 41.159,
315.515


70, 28.447,
315.068

76, 15.879,
314.623

82, 3.562, 314.165

88, 8.445, 133.839

94, 20.115,
133.465

 97, 25.787,
130.916

Harmonies

Complementary

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



49, 77.716, 316.603



76, 73.572, 131.149

Rectangle

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



49, 77.716, 316.603



49, 77.716, 6.603



49, 77.716, 136.603



49, 77.716, 186.603

Sweetspot

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



49, 77.715, 316.603



87, 27.692, 314.902



53, 48.707, 281.470



44, 19.112, 315.032



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, 77.715, 316.603



53, 106.486, 316.709



55, 72.952, 332.118



41, 6.965, 314.468



30, 88.547, 315.872



3, 27.847, 313.671

Inverse Universe

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



52, 55.618, 1.871



58, 75.557, 6.172



75, 74.331, 142.302



41, 4.943, 353.337



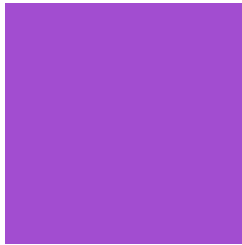
35, 62.817, 15.945



5, 20.717, 2.879

Previews

White Background



This preview shows how the CIELCh color 49, 77.716, 316.603 looks on a white background.

Color Contrast Check

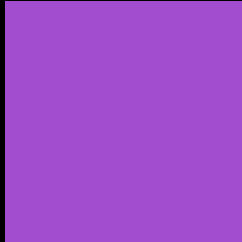
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.716, 316.603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

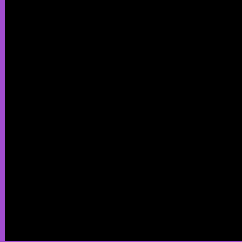
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 77.716, 316.603

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.716, 316.603.

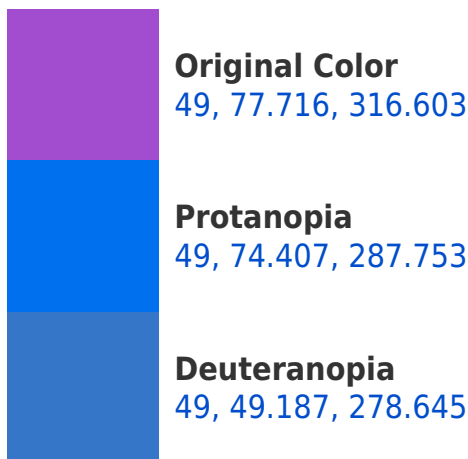


This preview shows how white text looks on a background with the CIELCh color 49, 77.716, 316.603.

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, 18.188, 6.999

Trichromacy



Original Color
49, 77.716, 316.603



Protanomaly
46, 75.900, 293.611



Deuteranomaly
47, 58.803, 294.901



Tritanomaly
48, 37.509, 328.986

Monochromacy



Original Color
49, 77.716, 316.603



Achromatopsia
50, 0.007, 296.813



Achromatomaly
48, 30.533, 315.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.716, 316.603 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(162, 77, 208)` looks like.

```
.text, #text, p{  
    color:rgb(162, 77, 208)  
}
```

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(162, 77, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 77, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.716, 316.603 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(162, 77, 208) }
```

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

```
.border{ border-color:rgb(162, 77, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 77, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 77, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 77, 208);  
box-shadow:4px 4px 4px 4px rgb(162, 77,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.716, 316.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 77, 208) }
```

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

```
.background{ background-color: rgb(162, 77,  
208) }
```

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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