

Converting Colors

CIELCh(49, 47.561, 327.586)

Have a look what the booklet for
CIELCh(49, 47.561, 327.586)
contains.

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Color

CIELCh(49, 47.516, 327.550)

Conversions

Conversions Part 1

Format	Color
Hex	A25AA0
RGB	162, 90, 160
RGB Percent	64%, 35%, 63%
CMY	0.3639, 0.6463, 0.3717
CMYK	0.00, 0.44, 0.01, 0.36
HSL	302°, 29%, 49%
HSV	302°, 44%, 64%
XYZ	24.9790, 17.5941, 35.4313
YIQ	119.5080, 20.4420, 37.0340

Conversions

Conversions Part 2

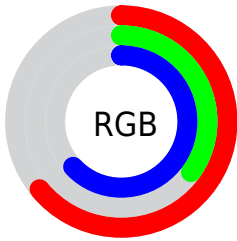
Format	Color
R_{YB}	162, 90, 160
Decimal	10640032
CIE _{Lab}	49.00, 40.10, -25.50
CIE _{LCh}	49, 47.516, 327.550
Yxy	17.5941, 0.3202, 0.2256
Android (android.graphics.Color)	4288830112 (0xFFA25AA0)
YUV	119.5080, 19.9626, 37.2655
Hunter-Lab	41.9453, 32.8948, -20.7208

Details

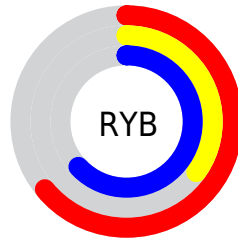
The CIELCh color $49, 47.516, 327.550$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $61, 47.668, 141.760$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 47.586, 327.443$, and $29, 47.279, 327.422$ is the 20% darker color. If you saturate the color by 10%, you get $46, 57.008, 328.017$, and if you desaturate by 10%, it is $53, 37.231, 327.043$.

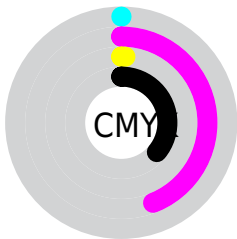
Distribution



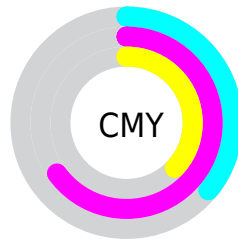
- Red (64%)
- Green (35%)
- Blue (63%)



- Red (64%)
- Yellow (35%)
- Blue (63%)



- Cyan (0%)
- Magenta (44%)
- Yellow (1%)
- Black (36%)




- Cyan (36%)
- Magenta (65%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 47.516, 327.550 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, 47.516, 327.550 by changing the saturation by 10% instead.


 49, 47.516,
327.550


 49, 47.516,
327.550


 100, 47.516,
327.550


 39, 47.516,
327.550

 69, 47.516,
327.550

 29, 47.516,
327.550

 79, 47.516,
327.550

 19, 47.516,
327.550

 89, 47.516,
327.550

 9, 47.516, 327.550

 99, 47.516,
327.550

 0, 47.516, 327.550

 49, 47.516,

 49, 47.516,

327.550

327.550

■ 46, 57.008,
328.017

■ 53, 37.231,
327.043

■ 43, 65.309,
328.430

■ 56, 26.507,
326.510

■ 41, 72.010,
328.777

■ 61, 15.612,
325.960

■ 39, 76.797,
329.053

■ 65, 4.741, 325.382

■ 38, 79.559,
329.259


■ 69, 5.975, 144.931

■ 38, 80.630,
329.359

■ 74, 16.452,
144.385

■ 78, 26.645,
143.878

■ 83, 36.531,
143.397

 87, 46.105,
142.943

Harmonies

Complementary

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



49, 47.516, 327.550



61, 47.668, 141.760

Rectangle

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



49, 47.516, 327.550



49, 47.516, 17.550



49, 47.516, 147.550



49, 47.516, 197.550

Sweetspot

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



49, 47.514, 327.550



78, 17.501, 325.896



42, 43.552, 296.671



40, 12.355, 326.014



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 47.514, 327.550



59, 69.050, 328.000



48, 34.685, 349.111



32, 6.150, 325.673



34, 74.412, 329.348



2, 9.462, 325.442

Inverse Universe

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



49, 47.514, 327.550



59, 69.050, 328.000



61, 32.821, 160.117



32, 6.150, 325.673



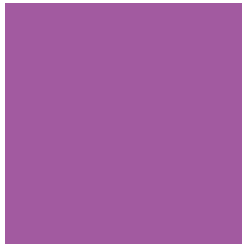
34, 74.412, 329.348



2, 9.462, 325.442

Previews

White Background



This preview shows how the CIELCh color 49, 47.516, 327.550 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, 47.516, 327.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

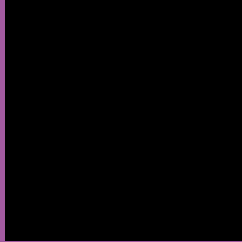
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 47.516, 327.550

Background



This preview shows how black text looks on a background with the CIELCh color 49, 47.516, 327.550.

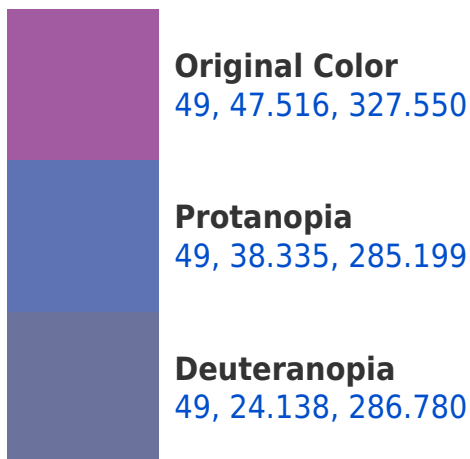


This preview shows how white text looks on a background with the CIELCh color 49, 47.516, 327.550.

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, 23.287, 12.531

Trichromacy



Original Color
49, 47.516, 327.550

Protanomaly
48, 39.735, 300.700

Deuteranomaly
49, 31.624, 307.472

Tritanomaly
49, 29.395, 347.281

Monochromacy



Original Color
49, 47.516, 327.550

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 18.345, 325.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 47.516, 327.550 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, 90, 160)` looks like.

```
.text, #text, p{  
    color:rgb(162, 90, 160)  
}
```

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, 90, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 90, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 47.516, 327.550 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, 90, 160) }
```

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

```
.border{ border-color:rgb(162, 90, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 90, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 90, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 90, 160);  
box-shadow:4px 4px 4px 4px rgb(162, 90,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 47.516, 327.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 90, 160) }
```

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

```
.background{ background-color: rgb(162, 90,  
160) }
```

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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