

Converting Colors

CIELCh(49, 18.532, 319.182)

Have a look what the booklet for
CIELCh(49, 18.532, 319.182)
contains.

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Color

CIELCh(49, 18.574, 319.244)

Conversions

Conversions Part 1

Format	Color
Hex	836D89
RGB	131, 109, 137
RGB Percent	51%, 43%, 54%
CMY	0.4860, 0.5722, 0.4624
CMYK	0.04, 0.20, 0.00, 0.46
HSL	287°, 11%, 48%
HSV	287°, 20%, 54%
XYZ	19.3706, 17.5941, 26.0724
YIQ	118.7700, 4.1240, 13.3720

Conversions

Conversions Part 2

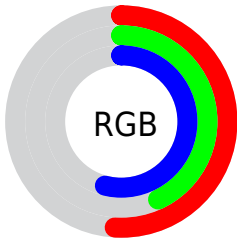
Format	Color
R_{YB}	131, 109, 137
Decimal	8613257
CIE Lab	49.00, 14.07, -12.13
CIE LCh	49, 18.574, 319.244
Yxy	17.5941, 0.3073, 0.2791
Android (android.graphics.Color)	4286803337 (0xFF836D89)
YUV	118.7700, 8.9874, 10.7257
Hunter-Lab	41.9453, 9.0282, -7.4918

Details

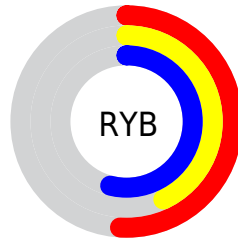
The CIELCh color $49, 18.574, 319.244$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 18.385, 137.425$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 18.090, 319.262$, and $29, 18.693, 319.076$ is the 20% darker color. If you saturate the color by 10%, you get $45, 27.790, 319.673$, and if you desaturate by 10%, it is $53, 9.408, 318.806$.

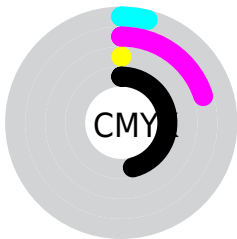
Distribution



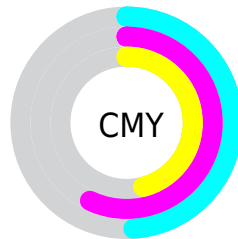
- Red (51%)
- Green (43%)
- Blue (54%)



- Red (51%)
- Yellow (43%)
- Blue (54%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (46%)



- Cyan (49%)
- Magenta (57%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 18.574, 319.244 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, 18.574, 319.244 by changing the saturation by 10% instead.


 49, 18.574,
319.244

 49, 18.574,
319.244


 100, 18.574,
319.244

 39, 18.574,
319.244

 69, 18.574,
319.244


 29, 18.574,
319.244

 79, 18.574,
319.244

 19, 18.574,
319.244

 89, 18.574,
319.244

 9, 18.574, 319.244

 99, 18.574,
319.244

 0, 18.574, 319.244

 49, 18.574,

 49, 18.574,

319.244

45, 27.790,
319.673

41, 36.919,
320.080

38, 45.751,
320.440

35, 53.999,
320.724

32, 61.295,
320.891

30, 67.236,
320.898

28, 71.468,
320.702

27, 74.338,
320.385

319.244

53, 9.408, 318.806

57, 0.387, 318.001

61, 8.437, 138.016

65, 17.034,
137.626

69, 25.393,
137.267

73, 33.510,
136.937

77, 41.390,
136.634

81, 49.040,
136.358

86, 56.471,

Harmonies

Complementary

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



49, 18.574, 319.244



55, 18.385, 137.425

Rectangle

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



49, 18.574, 319.244



49, 18.574, 9.244



49, 18.574, 139.244



49, 18.574, 189.244

Sweetspot

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



49, 18.572, 319.244



70, 6.692, 318.612



49, 13.037, 281.988



36, 4.423, 318.637



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 18.572, 319.244



60, 28.278, 319.465



49, 16.196, 334.969



27, 5.105, 318.749



26, 72.562, 320.407



0, 2.351, 318.380

Inverse Universe

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



49, 12.128, 4.161



60, 18.624, 4.788



55, 16.079, 152.165



27, 3.274, 2.927



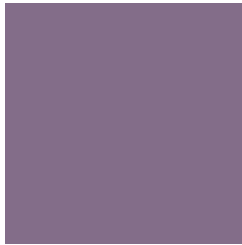
27, 55.911, 26.670



0, 1.487, 2.163

Previews

White Background



This preview shows how the CIELCh color 49, 18.574, 319.244 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, 18.574, 319.244 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, 18.574, 319.244

Background



This preview shows how black text looks on a background with the CIELCh color 49, 18.574, 319.244.



This preview shows how white text looks on a background with the CIELCh color 49, 18.574, 319.244.

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, 18.574, 319.244

Protanopia

49, 15.319, 286.702

Deuteranopia

49, 13.057, 298.500



Tritanopia
49, 8.691, 343.112

Trichromacy



Original Color
49, 18.574, 319.244

Protanomaly
49, 16.039, 298.891

Deuteranomaly
49, 14.797, 308.424

Tritanomaly
49, 12.090, 329.932

Monochromacy



Original Color
49, 18.574, 319.244

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 7.225, 316.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 18.574, 319.244 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(131, 109, 137)` looks like.

```
.text, #text, p{  
    color:rgb(131, 109, 137)  
}
```

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(131, 109, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 109, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 18.574, 319.244 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(131, 109, 137) }
```

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

```
.border{ border-color:rgb(131, 109, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 109, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 109, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 109, 137);  
box-shadow:4px 4px 4px 4px rgb(131, 109,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 18.574, 319.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 109, 137) }
```

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

```
.background{ background-color: rgb(131,  
109, 137) }
```

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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