

Converting Colors

CIELCh(49, 17.856, 326.649)

Have a look what the booklet for
CIELCh(49, 17.856, 326.649)
contains.

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Color

CIELCh(49, 17.899, 326.518)

Conversions

Conversions Part 1

Format	Color
Hex	866C85
RGB	134, 108, 133
RGB Percent	53%, 42%, 52%
CMY	0.4732, 0.5752, 0.4771
CMYK	0.00, 0.19, 0.01, 0.47
HSL	302°, 11%, 48%
HSV	302°, 19%, 53%
XYZ	19.5408, 17.5941, 24.6800
YIQ	118.6240, 7.4710, 13.2870

Conversions

Conversions Part 2

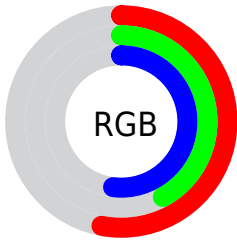
Format	Color
RYB	134, 108, 133
Decimal	8809605
CIELab	49.00, 14.93, -9.87
CIELCh	49, 17.899, 326.518
Yxy	17.5941, 0.3161, 0.2846
Android (android.graphics.Color)	4286999685 (0xFF866C85)
YUV	118.6240, 7.0874, 13.4848
Hunter-Lab	41.9453, 9.7524, -5.5237

Details

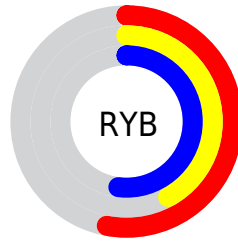
The CIELCh color $[49, 17.899, 326.518]$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $[53, 17.879, 144.294]$, and the grayscale version is $[50, 0.007, 296.813]$.

A 20% lighter version of the original color is $[69, 17.476, 326.228]$, and $[29, 17.905, 327.024]$ is the 20% darker color. If you saturate the color by 10%, you get $[46, 27.129, 327.058]$, and if you desaturate by 10%, it is $[53, 8.619, 325.966]$.

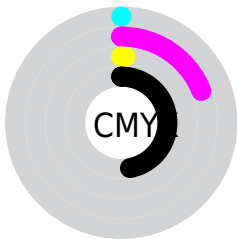
Distribution



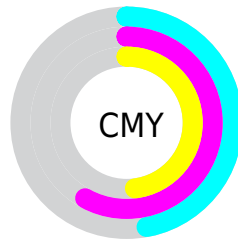
- Red (53%)
- Green (42%)
- Blue (52%)



- Red (53%)
- Yellow (42%)
- Blue (52%)



- Cyan (0%)
- Magenta (19%)
- Yellow (1%)
- Black (47%)




- Cyan (47%)
- Magenta (58%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 17.899, 326.518 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, 17.899, 326.518 by changing the saturation by 10% instead.


 49, 17.899,
326.518


 49, 17.899,
326.518


 100, 17.899,
326.518


 39, 17.899,
326.518

 69, 17.899,
326.518


 29, 17.899,
326.518

 79, 17.899,
326.518

 19, 17.899,
326.518

 89, 17.899,
326.518

 9, 17.899, 326.518

 99, 17.899,
326.518

 0, 17.899, 326.518

 49, 17.899,

 49, 17.899,

326.518

46, 27.129,
327.058

42, 36.124,
327.579

39, 44.633,
328.072

37, 52.342,
328.524

35, 58.909,
328.924

33, 64.014,
329.262

32, 67.443,
329.538

31, 69.578,
329.768

326.518

53, 8.619, 325.966

56, 0.576, 145.800

60, 9.601, 144.951

64, 18.405,
144.435

68, 26.960,
143.946

72, 35.255,
143.483

76, 43.290,
143.046

80, 51.073,
142.635

83, 58.612,

■ 31, 69.711,
329.782

142.249

Harmonies

Complementary

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



49, 17.899, 326.518



53, 17.879, 144.294

Rectangle

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



49, 17.899, 326.518



49, 17.899, 16.518



49, 17.899, 146.518



49, 17.899, 196.518

Sweetspot

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



49, 17.897, 326.518



68, 6.791, 325.780



47, 15.451, 293.453



35, 4.487, 325.811



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 17.897, 326.518



61, 26.200, 326.743



49, 12.756, 347.156



26, 5.136, 325.952



30, 68.099, 329.777



0, 1.223, 325.483

Inverse Universe

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



49, 17.897, 326.518



61, 26.200, 326.743



54, 12.411, 163.836



26, 5.136, 325.952



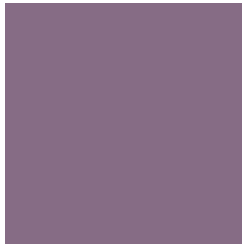
30, 68.099, 329.777



0, 1.223, 325.483

Previews

White Background



This preview shows how the CIELCh color 49, 17.899, 326.518 looks on a white background.

Color Contrast Check

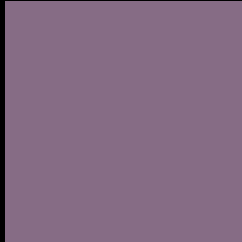
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.899, 326.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

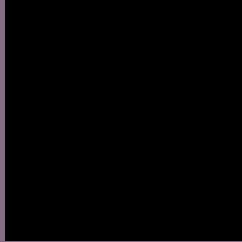
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 17.899, 326.518

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.899, 326.518.



This preview shows how white text looks on a background with the CIELCh color 49, 17.899, 326.518.

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, 17.899, 326.518

Protanopia

49, 12.969, 285.305

Deuteranopia

49, 10.963, 305.781



Tritanopia
49, 9.779, 352.029

Trichromacy



Original Color
49, 17.899, 326.518

Protanomaly
49, 13.841, 302.972

Deuteranomaly
49, 13.015, 316.339

Tritanomaly
49, 12.387, 339.492

Monochromacy



Original Color
49, 17.899, 326.518

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.649, 327.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.899, 326.518 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(134, 108, 133)` looks like.

```
.text, #text, p{  
    color:rgb(134, 108, 133)  
}
```

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(134, 108, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 108, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.899, 326.518 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(134, 108, 133) }
```

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

```
.border{ border-color:rgb(134, 108, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 108, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 108, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 108, 133);  
box-shadow:4px 4px 4px 4px rgb(134, 108,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.899, 326.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 108, 133) }
```

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

```
.background{ background-color: rgb(134,  
108, 133) }
```

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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