

Converting Colors

CIELCh(49, 29.153, 311.625)

Have a look what the booklet for
CIELCh(49, 29.153, 311.625)
contains.

CIELCh(49, 28.617, 311.929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 28.617, 311.929)

Conversions

Conversions Part 1

Format	Color
Hex	846B99
RGB	132, 107, 153
RGB Percent	52%, 42%, 60%
CMY	0.4839, 0.5819, 0.4016
CMYK	0.14, 0.30, 0.00, 0.40
HSL	273°, 18%, 51%
HSV	273°, 30%, 60%
XYZ	20.3857, 17.5941, 32.2804
YIQ	119.7190, 0.1340, 19.6060

Conversions

Conversions Part 2

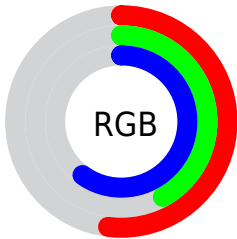
Format	Color
R_{YB}	132, 107, 153
Decimal	8678297
CIE _{Lab}	49.00, 19.12, -21.29
CIE _{LCh}	49, 28.617, 311.929
Y _{xy}	17.5941, 0.2901, 0.2504
Android (android.graphics.Color)	4286868377 (0xFF846B99)
YUV	119.7190, 16.4075, 10.7704
Hunter-Lab	41.9453, 13.3479, -16.2670

Details

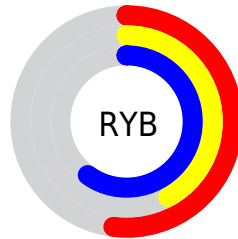
The CIELCh color $49, 28.617, 311.929$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 27.580, 129.226$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 28.142, 312.252$, and $29, 28.994, 312.165$ is the 20% darker color. If you saturate the color by 10%, you get $44, 38.439, 312.420$, and if you desaturate by 10%, it is $54, 18.905, 311.446$.

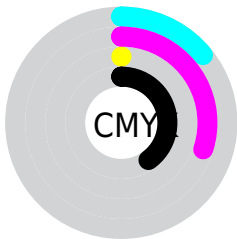
Distribution



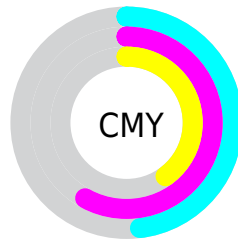
- Red (52%)
- Green (42%)
- Blue (60%)



- Red (52%)
- Yellow (42%)
- Blue (60%)



- Cyan (14%)
- Magenta (30%)
- Yellow (0%)
- Black (40%)



- Cyan (48%)
- Magenta (58%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 28.617, 311.929 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, 28.617, 311.929 by changing the saturation by 10% instead.

 49, 28.617,
311.929


 49, 28.617,
311.929


 100, 28.617,
311.929

 39, 28.617,
311.929

 69, 28.617,
311.929

 29, 28.617,
311.929

 79, 28.617,
311.929

 19, 28.617,
311.929

 89, 28.617,
311.929

 9, 28.617, 311.929

 99, 28.617,
311.929

 0, 28.617, 311.929

 49, 28.617,

 49, 28.617,

311.929

311.929

44, 38.439,
312.420

54, 18.905,
311.446

40, 48.223,
312.896

58, 9.393, 310.985

36, 57.718,
313.314

63, 0.125, 309.711

68, 8.879, 130.204

32, 66.540,
313.614

72, 17.616,
129.853

29, 74.163,
313.714

77, 26.088,
129.543

26, 79.985,
313.518

82, 34.305,
129.270

24, 84.142,
313.096

86, 42.278,
129.031

91, 50.019,

Harmonies

Complementary

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



49, 28.617, 311.929



60, 27.580, 129.226

Rectangle

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



49, 28.617, 311.929



49, 28.617, 1.929



49, 28.617, 131.929



49, 28.617, 181.929

Sweetspot

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



49, 28.616, 311.929



75, 10.346, 310.942



53, 15.798, 263.598



39, 7.183, 311.003



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



49, 28.616, 311.929



59, 42.691, 312.253



51, 30.989, 326.967



30, 5.247, 310.944



22, 79.063, 313.180



1, 5.595, 310.254

Inverse Universe

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



50, 22.087, 348.918



62, 32.819, 349.710



59, 30.986, 143.278



30, 4.067, 346.785



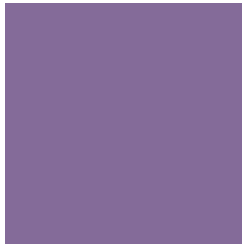
29, 54.133, 5.016



1, 4.321, 346.492

Previews

White Background



This preview shows how the CIELCh color 49, 28.617, 311.929 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, 28.617, 311.929 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, 28.617, 311.929

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.617, 311.929.



This preview shows how white text looks on a background with the CIELCh color 49, 28.617, 311.929.

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, 28.617, 311.929

Protanopia

49, 25.966, 285.355

Deuteranopia

49, 21.187, 287.224



Tritanopia
49, 7.371, 340.785

Trichromacy



Original Color
49, 28.617, 311.929

Protanomaly
49, 26.500, 295.050

Deuteranomaly
49, 23.645, 297.482

Tritanomaly
49, 14.256, 321.193

Monochromacy



Original Color
49, 28.617, 311.929

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 10.764, 312.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.617, 311.929 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(132, 107, 153)` looks like.

```
.text, #text, p{  
    color:rgb(132, 107, 153)  
}
```

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(132, 107, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 107, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.617, 311.929 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(132, 107, 153) }
```

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

```
.border{ border-color:rgb(132, 107, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 107, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 107, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 107, 153);  
box-shadow:4px 4px 4px 4px rgb(132, 107,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.617, 311.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 107, 153) }
```

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

```
.background{ background-color: rgb(132,  
107, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor