

Converting Colors

CIELCh(49, 30.297, 310.914)

Have a look what the booklet for
CIELCh(49, 30.297, 310.914)
contains.

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Color

CIELCh(49, 30.297, 310.914)

Conversions

Conversions Part 1

Format	Color
Hex	836A9B
RGB	131, 106, 155
RGB Percent	51%, 42%, 61%
CMY	0.4851, 0.5832, 0.3909
CMYK	0.15, 0.32, 0.00, 0.39
HSL	271°, 20%, 51%
HSV	271°, 32%, 61%
XYZ	20.5332, 17.5941, 33.4600
YIQ	119.0610, -0.8290, 20.5390

Conversions

Conversions Part 2

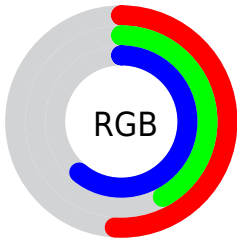
Format	Color
R_{YB}	131, 106, 155
Decimal	8612507
CIE _{Lab}	49.00, 19.84, -22.90
CIE _{LCh}	49, 30.297, 310.914
Yxy	17.5941, 0.2868, 0.2458
Android (android.graphics.Color)	4286802587 (0xFF836A9B)
YUV	119.0610, 17.7179, 10.4705
Hunter-Lab	41.9453, 13.9756, -17.9343

Details

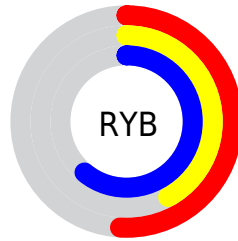
The CIELCh color $49, 30.297, 310.914$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 29.043, 127.997$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 30.220, 310.892$, and $29, 30.824, 311.157$ is the 20% darker color. If you saturate the color by 10%, you get $44, 40.261, 311.436$, and if you desaturate by 10%, it is $54, 20.454, 310.405$.

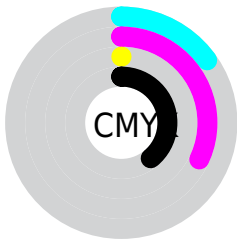
Distribution



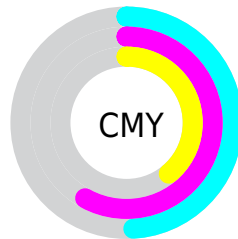
- Red (51%)
- Green (42%)
- Blue (61%)



- Red (51%)
- Yellow (42%)
- Blue (61%)



- Cyan (15%)
- Magenta (32%)
- Yellow (0%)
- Black (39%)





- Cyan (49%)
- Magenta (58%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.297, 310.914 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, 30.297, 310.914 by changing the saturation by 10% instead.


 49, 30.297,
310.914


 49, 30.297,
310.914


 100, 30.297,
310.914


 39, 30.297,
310.914

 69, 30.297,
310.914


 29, 30.297,
310.914

 79, 30.297,
310.914

 19, 30.297,
310.914

 89, 30.297,
310.914

 9, 30.297, 310.914

 99, 30.297,
310.914

 0, 30.297, 310.914

 49, 30.297,

 49, 30.297,

310.914

44, 40.261,
311.436

40, 50.195,
311.945

36, 59.835,
312.395

32, 68.774,
312.722

28, 76.445,
312.834

26, 82.203,
312.626

24, 85.853,
312.285

310.914

54, 20.454,
310.405

59, 10.823,
309.923

63, 1.447, 309.423

68, 7.656, 129.108

73, 16.483,
128.744

78, 25.039,
128.426

83, 33.334,
128.147

87, 41.380,
127.903

■ 92, 49.190,
127.691

Harmonies

Complementary

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



49, 30.297, 310.914



61, 29.043, 127.997

Rectangle

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



49, 30.297, 310.914



49, 30.297, 0.914



49, 30.297, 130.914



49, 30.297, 180.914

Sweetspot

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



49, 30.296, 310.914



76, 10.381, 309.812



54, 16.204, 260.304



39, 7.284, 309.875



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



49, 30.296, 310.914



59, 45.400, 311.288



52, 33.655, 326.109



30, 5.210, 309.813



21, 79.615, 312.386



1, 5.555, 309.127

Inverse Universe

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



51, 23.940, 347.131



61, 35.639, 347.973



60, 33.665, 142.269



30, 4.156, 344.917



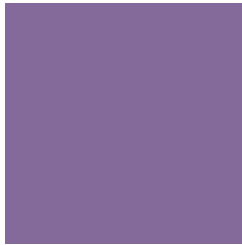
29, 54.324, 1.915



1, 4.417, 344.655

Previews

White Background



This preview shows how the CIELCh color 49, 30.297, 310.914 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, 30.297, 310.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

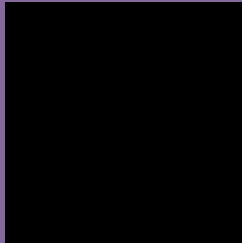
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 30.297, 310.914

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.297, 310.914.



This preview shows how white text looks on a background with the CIELCh color 49, 30.297, 310.914.

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, 30.297, 310.914

Protanopia

49, 27.761, 284.870

Deuteranopia

49, 22.953, 287.090



Tritanopia
49, 7.461, 335.247

Trichromacy



Original Color
49, 30.297, 310.914

Protanomaly
49, 28.238, 294.462

Deuteranomaly
49, 24.785, 296.578

Tritanomaly
49, 15.101, 317.659

Monochromacy



Original Color
49, 30.297, 310.914

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 11.182, 309.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.297, 310.914 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, 106, 155)` looks like.

```
.text, #text, p{  
    color:rgb(131, 106, 155)  
}
```

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, 106, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 106, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.297, 310.914 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, 106, 155) }
```

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

```
.border{ border-color:rgb(131, 106, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 106, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 106, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 106, 155);  
box-shadow:4px 4px 4px 4px rgb(131, 106,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.297, 310.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 106, 155) }
```

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

```
.background{ background-color: rgb(131,  
106, 155) }
```

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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