

Converting Colors

CIELCh(49, 30.189, 318.136)

Have a look what the booklet for
CIELCh(49, 30.189, 318.136)
contains.

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Color

CIELCh(49, 30.358, 317.772)

Conversions

Conversions Part 1

Format	Color
Hex	8A6897
RGB	138, 104, 151
RGB Percent	54%, 41%, 59%
CMY	0.4581, 0.5915, 0.4071
CMYK	0.09, 0.31, 0.00, 0.41
HSL	283°, 18%, 50%
HSV	283°, 31%, 59%
XYZ	21.0794, 17.5941, 31.6405
YIQ	119.5240, 5.1770, 21.8250

Conversions

Conversions Part 2

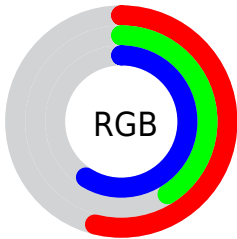
Format	Color
R_{YB}	138, 104, 151
Decimal	9070743
CIE _{Lab}	49.00, 22.48, -20.40
CIE _{LCh}	49, 30.358, 317.772
Yxy	17.5941, 0.2998, 0.2502
Android (android.graphics.Color)	4287260823 (0xFF8A6897)
YUV	119.5240, 15.5177, 16.2035
Hunter-Lab	41.9453, 16.3001, -15.3624

Details

The CIELCh color $49, 30.358, 317.772$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 29.741, 134.991$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 29.879, 317.842$, and $29, 30.550, 317.628$ is the 20% darker color. If you saturate the color by 10%, you get $45, 40.186, 318.179$, and if you desaturate by 10%, it is $53, 20.471, 317.345$.

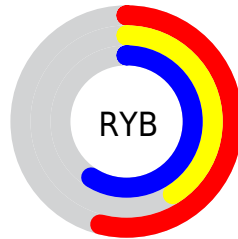
Distribution



Red (54%)

Green (41%)

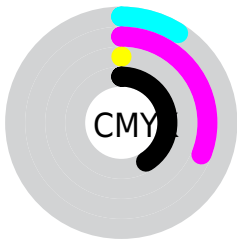
Blue (59%)



Red (54%)

Yellow (41%)

Blue (59%)

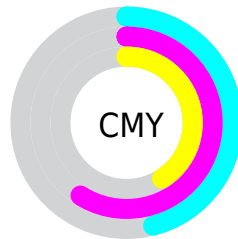


Cyan (9%)

Magenta (31%)

Yellow (0%)

Black (41%)



Cyan (46%)


Magenta (59%)

Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.358, 317.772 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, 30.358, 317.772 by changing the saturation by 10% instead.


 49, 30.358,
317.772


 49, 30.358,
317.772


 100, 30.358,
317.772

 39, 30.358,
317.772

 69, 30.358,
317.772


 29, 30.358,
317.772

 79, 30.358,
317.772

 19, 30.358,
317.772

 89, 30.358,
317.772

 9, 30.358, 317.772

 99, 30.358,
317.772

 0, 30.358, 317.772

 49, 30.358,

 49, 30.358,

317.772

45, 40.186,
318.179

41, 49.741,
318.541

37, 58.710,
318.819

34, 66.683,
318.967

32, 73.188,
318.929

30, 77.796,
318.650

28, 80.665,
318.254

317.772

53, 20.471,
317.345

58, 10.672,
316.913

62, 1.047, 316.371

67, 8.354, 136.144

71, 17.505,
135.771

75, 26.397,
135.431

80, 35.030,
135.122

84, 43.411,
134.842

■ 89, 51.548,
134.589

Harmonies

Complementary

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



49, 30.358, 317.772



59, 29.741, 134.991

Rectangle

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



49, 30.358, 317.772



49, 30.358, 7.772



49, 30.358, 137.772



49, 30.358, 187.772

Sweetspot

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



49, 30.356, 317.772



74, 10.694, 316.830



50, 20.119, 279.481



39, 7.500, 316.889



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, 30.356, 317.772



60, 44.776, 318.046



50, 27.987, 333.103



30, 5.480, 316.833



26, 76.342, 318.313



1, 5.852, 316.089

Inverse Universe

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



49, 20.833, 0.997



60, 30.939, 1.983



58, 27.844, 148.783



30, 3.671, 358.397



29, 56.409, 21.795



1, 3.884, 357.933

Previews

White Background



This preview shows how the CIELCh color 49, 30.358, 317.772 looks on a white background.

Color Contrast Check

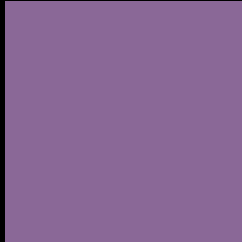
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.358, 317.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

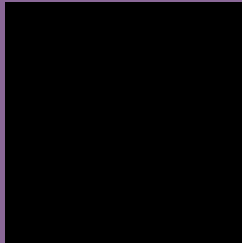
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 30.358, 317.772

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.358, 317.772.



This preview shows how white text looks on a background with the CIELCh color 49, 30.358, 317.772.

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, 30.358, 317.772

Protanopia

49, 25.966, 285.355

Deuteranopia

49, 19.981, 288.689



Tritanopia
49, 10.780, 351.515

Trichromacy



Original Color
49, 30.358, 317.772

Protanomaly
49, 26.594, 297.304

Deuteranomaly
49, 23.307, 301.974

Tritanomaly
49, 17.214, 329.935

Monochromacy



Original Color
49, 30.358, 317.772

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 11.243, 318.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.358, 317.772 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(138, 104, 151)` looks like.

```
.text, #text, p{  
    color:rgb(138, 104, 151)  
}
```

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(138, 104, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 104, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.358, 317.772 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(138, 104, 151) }
```

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

```
.border{ border-color:rgb(138, 104, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 104, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 104, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 104, 151);  
box-shadow:4px 4px 4px 4px rgb(138, 104,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.358, 317.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 104, 151) }
```

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

```
.background{ background-color: rgb(138,  
104, 151) }
```

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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