

Converting Colors

CIELCh(49, 44.580, 312.480)

Have a look what the booklet for
CIELCh(49, 44.580, 312.480)
contains.

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Color

CIELCh(49, 44.263, 312.470)

Conversions

Conversions Part 1

Format	Color
Hex	8B64AC
RGB	139, 100, 172
RGB Percent	55%, 39%, 67%
CMY	0.4547, 0.6077, 0.3253
CMYK	0.19, 0.42, 0.00, 0.33
HSL	273°, 30%, 53%
HSV	273°, 42%, 67%
XYZ	22.6653, 17.5941, 41.2519
YIQ	119.8690, 0.1320, 30.6600

Conversions

Conversions Part 2

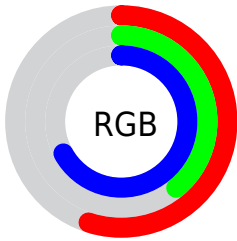
Format	Color
R _Y B	139, 100, 172
Decimal	9135276
CIE Lab	49.00, 29.89, -32.65
CIE LCh	49, 44.263, 312.470
Yxy	17.5941, 0.2781, 0.2158
Android (android.graphics.Color)	4287325356 (0xFF8B64AC)
YUV	119.8690, 25.7006, 16.7779
Hunter-Lab	41.9453, 23.0489, -28.9483

Details

The CIELCh color `49, 44.263, 312.470` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `66, 41.956, 128.598`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 44.139, 312.435`, and `29, 44.121, 312.472` is the 20% darker color. If you saturate the color by 10%, you get `44, 55.012, 312.943`, and if you desaturate by 10%, it is `54, 33.420, 311.973`.

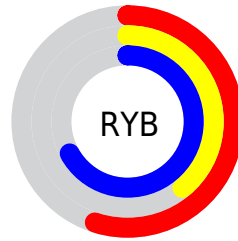
Distribution



Red (55%)

Green (39%)

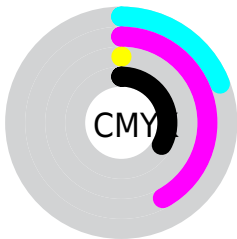
Blue (67%)



Red (55%)

Yellow (39%)

Blue (67%)

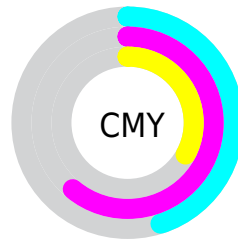


Cyan (19%)

Magenta (42%)

Yellow (0%)

Black (33%)



Cyan (45%)


Magenta (61%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 44.263, 312.470 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, 44.263, 312.470 by changing the saturation by 10% instead.

 49, 44.263,
312.470

 49, 44.263,
312.470

 100, 44.263,
312.470

 39, 44.263,
312.470

 69, 44.263,
312.470

 29, 44.263,
312.470

 79, 44.263,
312.470

 19, 44.263,
312.470

 89, 44.263,
312.470

 9, 44.263, 312.470

 99, 44.263,
312.470

 0, 44.263, 312.470

 49, 44.263,

 49, 44.263,

312.470

44, 55.012,
312.943

40, 65.363,
313.346

36, 74.845,
313.612

32, 82.834,
313.652

29, 88.660,
313.364

28, 92.032,
312.946

312.470

54, 33.420,
311.973

59, 22.679,
311.481

64, 12.146,
311.011

69, 1.878, 310.525

75, 8.099, 130.208

80, 17.777,
129.846

85, 27.159,
129.527

90, 36.256,
129.247

■ 95, 45.079,
129.001

Harmonies

Complementary

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



49, 44.263, 312.470



66, 41.956, 128.598

Rectangle

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



49, 44.263, 312.470



49, 44.263, 2.470



49, 44.263, 132.470



49, 44.263, 182.470

Sweetspot

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



49, 44.262, 312.470



81, 16.566, 311.074



55, 24.091, 266.212



41, 11.610, 311.174



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



49, 44.262, 312.470



58, 65.842, 312.900



53, 46.984, 327.595



34, 5.820, 310.895



24, 83.297, 313.068



1, 11.918, 307.223

Inverse Universe

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



51, 33.905, 350.333



62, 49.895, 351.685



64, 47.101, 142.145



34, 4.518, 346.704



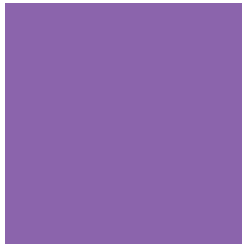
32, 56.973, 5.173



2, 8.931, 351.038

Previews

White Background



This preview shows how the CIELCh color 49, 44.263, 312.470 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, 44.263, 312.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

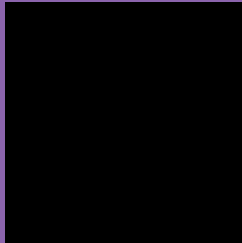
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 44.263, 312.470

Background



This preview shows how black text looks on a background with the CIELCh color 49, 44.263, 312.470.



This preview shows how white text looks on a background with the CIELCh color 49, 44.263, 312.470.

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, 44.263, 312.470

Protanopia
49, 41.283, 285.735

Deuteranopia
49, 31.429, 282.626



Tritanopia
49, 9.366, 346.294

Trichromacy



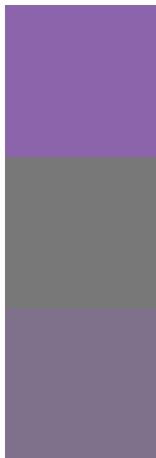
Original Color
49, 44.263, 312.470

Protanomaly
49, 41.716, 294.963

Deuteranomaly
49, 35.311, 295.675

Tritanomaly
49, 21.348, 320.177

Monochromacy



Original Color
49, 44.263, 312.470

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 16.231, 311.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 44.263, 312.470 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(139, 100, 172)` looks like.

```
.text, #text, p{  
    color:rgb(139, 100, 172)  
}
```

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(139, 100, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 100, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 44.263, 312.470 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(139, 100, 172) }
```

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

```
.border{ border-color:rgb(139, 100, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 100, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 100, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 100, 172);  
box-shadow:4px 4px 4px 4px rgb(139, 100,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 44.263, 312.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 100, 172) }
```

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

```
.background{ background-color: rgb(139,  
100, 172) }
```

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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