

Converting Colors

CIELCh(49, 49.358, 306.126)

Have a look what the booklet for
CIELCh(49, 49.358, 306.126)
contains.

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Color

CIELCh(49, 48.936, 305.962)

Conversions

Conversions Part 1

Format	Color
Hex	8166B8
RGB	129, 102, 184
RGB Percent	51%, 40%, 72%
CMY	0.4946, 0.6004, 0.2789
CMYK	0.30, 0.45, 0.00, 0.28
HSL	260°, 37%, 56%
HSV	260°, 45%, 72%
XYZ	22.4143, 17.5941, 47.4940
YIQ	119.4210, -10.2300, 31.2260

Conversions

Conversions Part 2

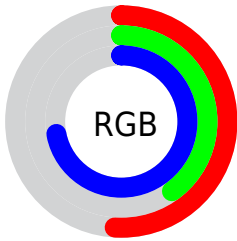
Format	Color
R_{YB}	129, 102, 184
Decimal	8480440
CIE _{Lab}	49.00, 28.74, -39.61
CIE _{LCh}	49, 48.936, 305.962
Yxy	17.5941, 0.2562, 0.2011
Android (android.graphics.Color)	4286670520 (0xFF8166B8)
YUV	119.4210, 31.8374, 8.4008
Hunter-Lab	41.9453, 21.9806, -37.7715

Details

The CIELCh color $49, 48.936, 305.962$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $71, 44.683, 120.475$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 48.985, 306.212$, and $29, 48.938, 306.256$ is the 20% darker color. If you saturate the color by 10%, you get $43, 60.567, 306.805$, and if you desaturate by 10%, it is $55, 37.421, 305.154$.

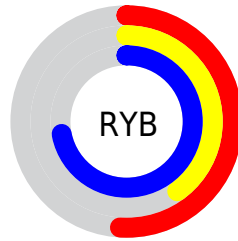
Distribution



Red (51%)

Green (40%)

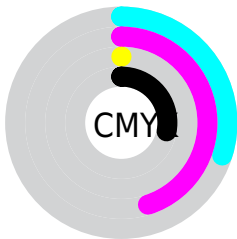
Blue (72%)



Red (51%)

Yellow (40%)

Blue (72%)

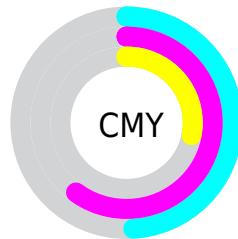


Cyan (30%)

Magenta (45%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (60%)

Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 48.936, 305.962 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, 48.936, 305.962 by changing the saturation by 10% instead.


 49, 48.936,
305.962

 49, 48.936,
305.962

 100, 48.936,
305.962

 39, 48.936,
305.962

 69, 48.936,
305.962

 29, 48.936,
305.962

 79, 48.936,
305.962

 19, 48.936,
305.962

 89, 48.936,
305.962

 9, 48.936, 305.962

 99, 48.936,
305.962

 0, 48.936, 305.962

 49, 48.936,

 49, 48.936,

305.962

43, 60.567,
306.805

38, 72.010,
307.626

33, 82.717,
308.331

29, 91.832,
308.777

26, 98.318,
308.797

25, 101.049,
308.729

305.962

55, 37.421,
305.154

60, 26.177,
304.408

66, 15.271,
303.736


72, 4.726, 303.132

78, 5.459, 122.632

84, 15.296,
122.170

89, 24.800,
121.773

95, 33.990,
121.432

 97, 36.252,
116.584

Harmonies

Complementary

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



49, 48.936, 305.962



71, 44.683, 120.475

Rectangle

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



49, 48.936, 305.962



49, 48.936, 355.962



49, 48.936, 125.962



49, 48.936, 175.962

Sweetspot

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



49, 48.935, 305.962



85, 16.841, 303.649



62, 22.325, 239.292



44, 11.821, 303.788



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



49, 48.935, 305.962



56, 74.337, 306.832



53, 51.900, 321.233



36, 5.871, 303.412



20, 89.163, 308.854



1, 15.630, 299.733

Inverse Universe

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



54, 43.142, 339.011



65, 63.500, 340.044



69, 51.073, 136.728



36, 5.484, 336.105



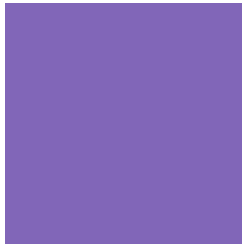
34, 62.838, 346.764



3, 13.729, 340.963

Previews

White Background



This preview shows how the CIELCh color 49, 48.936, 305.962 looks on a white background.

Color Contrast Check

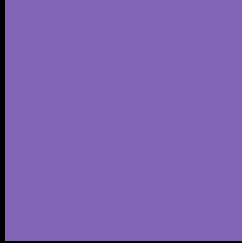
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.936, 305.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

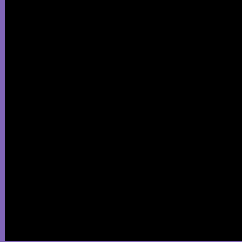
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 48.936, 305.962

Background



This preview shows how black text looks on a background with the CIELCh color 49, 48.936, 305.962.



This preview shows how white text looks on a background with the CIELCh color 49, 48.936, 305.962.

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, 48.936, 305.962

Protanopia
49, 47.692, 286.110

Deuteranopia
49, 38.744, 280.996



Tritanopia
49, 5.365, 299.312

Trichromacy



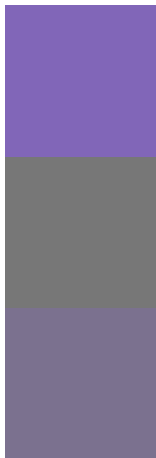
Original Color
49, 48.936, 305.962

Protanomaly
49, 47.466, 292.589

Deuteranomaly
49, 41.693, 290.898

Tritanomaly
49, 21.676, 303.563

Monochromacy



Original Color
49, 48.936, 305.962

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 18.079, 304.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 48.936, 305.962 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(129, 102, 184)` looks like.

```
.text, #text, p{  
    color:rgb(129, 102, 184)  
}
```

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(129, 102, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 102, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 48.936, 305.962 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(129, 102, 184) }
```

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

```
.border{ border-color:rgb(129, 102, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 102, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 102, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 102, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 102,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 48.936, 305.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 102, 184) }
```

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

```
.background{ background-color: rgb(129,  
102, 184) }
```

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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