

Converting Colors

CIELCh(49, 46.576, 305.093)

Have a look what the booklet for
CIELCh(49, 46.576, 305.093)
contains.

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Color

CIELCh(49, 46.532, 305.164)

Conversions

Conversions Part 1

Format	Color
Hex	7F67B5
RGB	127, 103, 181
RGB Percent	50%, 40%, 71%
CMY	0.5014, 0.5955, 0.2896
CMYK	0.30, 0.43, 0.00, 0.29
HSL	258°, 35%, 56%
HSV	258°, 43%, 71%
XYZ	21.9948, 17.5941, 46.0354
YIQ	119.0680, -10.7340, 29.3460

Conversions

Conversions Part 2

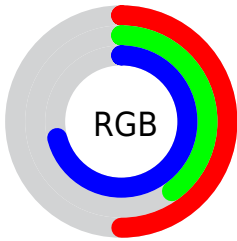
Format	Color
R_{YB}	127, 103, 181
Decimal	8349621
CIE _{Lab}	49.00, 26.80, -38.04
CIE _{LCh}	49, 46.532, 305.164
Yxy	17.5941, 0.2569, 0.2055
Android (android.graphics.Color)	4286539701 (0xFF7F67B5)
YUV	119.0680, 30.5325, 6.9564
Hunter-Lab	41.9453, 20.1958, -35.7097

Details

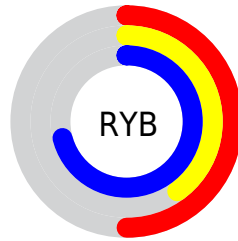
The CIELCh color $49, 46.532, 305.164$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $70, 42.532, 119.675$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 46.674, 305.497$, and $29, 47.061, 305.330$ is the 20% darker color. If you saturate the color by 10%, you get $43, 58.050, 306.056$, and if you desaturate by 10%, it is $55, 35.184, 304.322$.

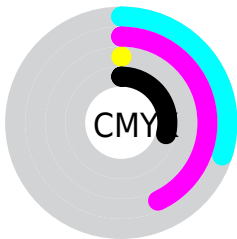
Distribution



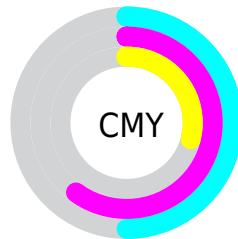
- Red (50%)
- Green (40%)
- Blue (71%)



- Red (50%)
- Yellow (40%)
- Blue (71%)



- Cyan (30%)
- Magenta (43%)
- Yellow (0%)
- Black (29%)



- Cyan (50%)
- Magenta (60%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 46.532, 305.164 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, 46.532, 305.164 by changing the saturation by 10% instead.

 49, 46.532,
305.164


 49, 46.532,
305.164


 100, 46.532,
305.164


 39, 46.532,
305.164

 69, 46.532,
305.164


 29, 46.532,
305.164

 79, 46.532,
305.164

 19, 46.532,
305.164

 89, 46.532,
305.164

 9, 46.532, 305.164

 99, 46.532,
305.164

 0, 46.532, 305.164

 49, 46.532,

 49, 46.532,

305.164

43, 58.050,
306.056

38, 69.476,
306.947

33, 80.316,
307.748

29, 89.758,
308.319

26, 96.748,
308.486

24, 100.305,
308.441

305.164

55, 35.184,
304.322

60, 24.135,
303.553

66, 13.437,
302.865


72, 3.103, 302.248

78, 6.872, 121.741

83, 16.503,
121.277

89, 25.807,
120.877

95, 34.804,
120.534

 97, 37.570,
116.114

Harmonies

Complementary

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



49, 46.532, 305.164



70, 42.532, 119.675

Rectangle

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



49, 46.532, 305.164



49, 46.532, 355.164



49, 46.532, 125.164



49, 46.532, 175.164

Sweetspot

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



49, 46.531, 305.164



84, 16.502, 302.875



62, 21.311, 236.556



43, 11.581, 303.019



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



49, 46.531, 305.164



56, 70.173, 306.038



53, 49.430, 320.660



36, 5.854, 302.629



20, 89.505, 308.551



1, 15.602, 299.129

Inverse Universe

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



54, 41.834, 337.868



64, 61.239, 338.780



68, 48.556, 136.399



36, 5.569, 335.202



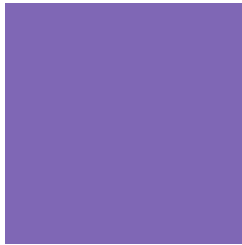
34, 63.661, 345.161



3, 13.973, 339.754

Previews

White Background



This preview shows how the CIELCh color 49, 46.532, 305.164 looks on a white background.

Color Contrast Check

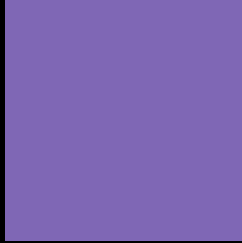
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.532, 305.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

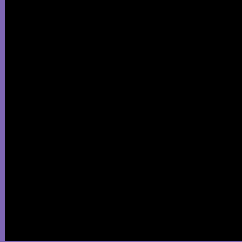
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 46.532, 305.164

Background



This preview shows how black text looks on a background with the CIELCh color 49, 46.532, 305.164.



This preview shows how white text looks on a background with the CIELCh color 49, 46.532, 305.164.

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, 46.532, 305.164

Protanopia

49, 45.355, 286.062

Deuteranopia

49, 36.941, 281.107



Tritanopia
49, 5.289, 290.881

Trichromacy



Original Color
49, 46.532, 305.164

Protanomaly
49, 45.165, 292.459

Deuteranomaly
49, 39.952, 290.862

Tritanomaly
49, 20.367, 302.051

Monochromacy



Original Color
49, 46.532, 305.164

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 17.433, 303.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 46.532, 305.164 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(127, 103, 181)` looks like.

```
.text, #text, p{  
    color:rgb(127, 103, 181)  
}
```

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(127, 103, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 103, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 46.532, 305.164 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(127, 103, 181) }
```

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

```
.border{ border-color:rgb(127, 103, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 103, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 103, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 103, 181);  
box-shadow:4px 4px 4px 4px rgb(127, 103,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 46.532, 305.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 103, 181) }
```

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

```
.background{ background-color: rgb(127,  
103, 181) }
```

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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