

Converting Colors

CIELCh(49, 60.477, 306.660)

Have a look what the booklet for
CIELCh(49, 60.477, 306.660)
contains.

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Color

CIELCh(49, 60.485, 306.666)

Conversions

Conversions Part 1

Format	Color
Hex	8361C7
RGB	131, 97, 199
RGB Percent	51%, 38%, 78%
CMY	0.4850, 0.6184, 0.2183
CMYK	0.34, 0.51, 0.00, 0.22
HSL	260°, 48%, 58%
HSV	260°, 51%, 78%
XYZ	24.0596, 17.5941, 56.3627
YIQ	118.7940, -12.4780, 38.9300

Conversions

Conversions Part 2

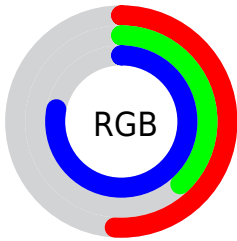
Format	Color
R_{YB}	131, 97, 199
Decimal	8610247
CIE _{Lab}	49.00, 36.12, -48.52
CIE _{LCh}	49, 60.485, 306.666
Yxy	17.5941, 0.2455, 0.1795
Android (android.graphics.Color)	4286800327 (0xFF8361C7)
YUV	118.7940, 39.5416, 10.7047
Hunter-Lab	41.9453, 28.9826, -50.3074

Details

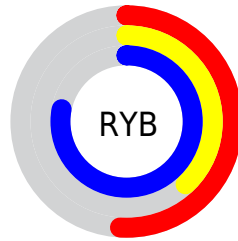
The CIELCh color $49, 60.485, 306.666$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $76, 54.314, 120.337$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 60.074, 306.919$, and $29, 60.314, 306.769$ is the 20% darker color. If you saturate the color by 10%, you get $43, 72.802, 307.495$, and if you desaturate by 10%, it is $55, 48.083, 305.836$.

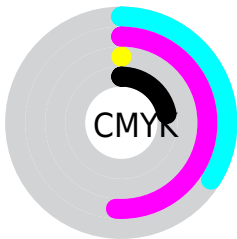
Distribution



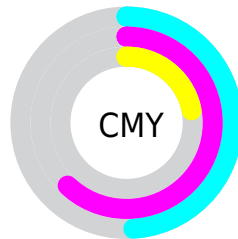
- Red (51%)
- Green (38%)
- Blue (78%)



- Red (51%)
- Yellow (38%)
- Blue (78%)



- Cyan (34%)
- Magenta (51%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (62%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 60.485, 306.666 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, 60.485, 306.666 by changing the saturation by 10% instead.


 49, 60.485,
306.666

 49, 60.485,
306.666

 100, 60.485,
306.666

 39, 60.485,
306.666

 69, 60.485,
306.666

 29, 60.485,
306.666

 79, 60.485,
306.666

 19, 60.485,
306.666

 89, 60.485,
306.666

 9, 60.485, 306.666

 99, 60.485,
306.666

 0, 60.485, 306.666

 49, 60.485,

 49, 60.485,

306.666

43, 72.802,
307.495

38, 84.535,
308.239

33, 94.863,
308.768

30, 102.694,
308.916

28, 107.303,
308.738

306.666

55, 48.083,
305.836

61, 35.867,
305.049

67, 23.970,
304.329

73, 12.445,
303.682

80, 1.308, 303.072

86, 9.447, 122.626

92, 19.834,
122.189

98, 28.889,
121.018

 98, 28.122,
111.198

Harmonies

Complementary

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



49, 60.485, 306.666



76, 54.314, 120.337

Rectangle

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



49, 60.485, 306.666



49, 60.485, 356.666



49, 60.485, 126.666



49, 60.485, 176.666

Sweetspot

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



49, 60.484, 306.666



89, 20.516, 303.934



65, 26.926, 243.275



46, 14.048, 304.072



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 60.484, 306.666



55, 88.658, 307.551



55, 63.289, 321.989



39, 6.277, 303.573



22, 92.338, 308.879



2, 21.874, 300.524

Inverse Universe

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



56, 52.109, 339.898



65, 73.502, 341.085



73, 62.390, 136.651



39, 5.841, 336.296



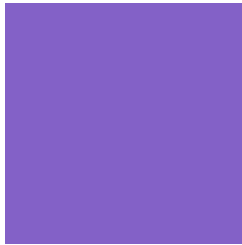
36, 64.883, 347.190



4, 20.002, 342.647

Previews

White Background



This preview shows how the CIELCh color 49, 60.485, 306.666 looks on a white background.

Color Contrast Check

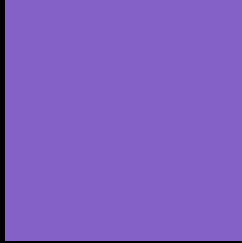
Large Text (above 18pt) WCAG AA ✓ Pass

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, 60.485, 306.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

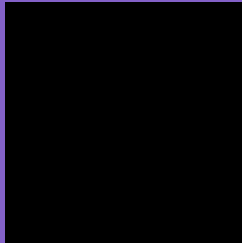
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 60.485, 306.666

Background



This preview shows how black text looks on a background with the CIELCh color 49, 60.485, 306.666.



This preview shows how white text looks on a background with the CIELCh color 49, 60.485, 306.666.

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, 60.485, 306.666

Protanopia

49, 59.918, 286.988

Deuteranopia

49, 46.696, 279.465



Tritanopia
49, 5.289, 290.881

Trichromacy



Original Color
49, 60.485, 306.666

Protanomaly
49, 59.745, 292.885

Deuteranomaly
49, 51.103, 289.927

Tritanomaly
49, 25.853, 303.731

Monochromacy



Original Color
49, 60.485, 306.666

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 22.284, 304.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 60.485, 306.666 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, 97, 199)` looks like.

```
.text, #text, p{  
    color:rgb(131, 97, 199)  
}
```

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, 97, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 97, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 60.485, 306.666 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, 97, 199) }
```

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

```
.border{ border-color:rgb(131, 97, 199) }
```

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

Here you see how a box with a 4 pixel rgb(131, 97, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 97, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 97, 199);  
box-shadow:4px 4px 4px 4px rgb(131, 97,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 60.485, 306.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 97, 199) }
```

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

```
.background{ background-color: rgb(131, 97,  
199) }
```

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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