

Converting Colors

CIELCh(50, 36.423, 305.180)

Have a look what the booklet for
CIELCh(50, 36.423, 305.180)
contains.

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Color

CIELCh(50, 36.474, 305.195)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 816DAA |
| RGB | 129, 109, 170 |
| RGB Percent | 51%, 43%, 67% |
| CMY | 0.4952, 0.5736, 0.3344 |
| CMYK | 0.24, 0.36, 0.00, 0.33 |
| HSL | 260°, 26%, 55% |
| HSV | 260°, 36%, 67% |
| XYZ | 21.6812, 18.4187, 40.3022 |
| YIQ | 121.9340, -7.6610, 23.2110 |

Conversions

Conversions Part 2

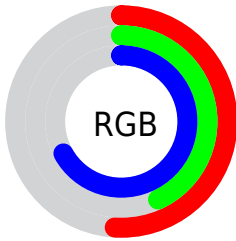
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 129, 109, 170 |
| Decimal | 8482218 |
| CIE _{Lab} | 50.00, 21.02, -29.81 |
| CIE _{LCh} | 50, 36.474, 305.195 |
| Yxy | 18.4187, 0.2697, 0.2291 |
| Android (android.graphics.Color) | 4286672298 (0xFF816DAA) |
| YUV | 121.9340, 23.6965, 6.1969 |
| Hunter-Lab | 42.9170, 15.0716, -25.6358 |

Details

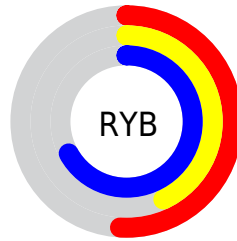
The CIELCh color **50, 36.474, 305.195** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **67, 34.006, 120.874**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 36.518, 305.051**, and **30, 36.313, 305.299** is the 20% darker color. If you saturate the color by 10%, you get **45, 47.281, 306.007**, and if you desaturate by 10%, it is **55, 25.906, 304.443**.

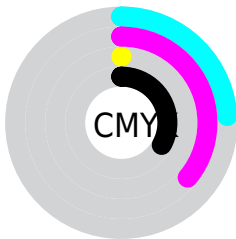
Distribution



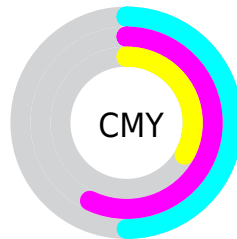
- Red (51%)
- Green (43%)
- Blue (67%)



- Red (51%)
- Yellow (43%)
- Blue (67%)



- Cyan (24%)
- Magenta (36%)
- Yellow (0%)
- Black (33%)





- Cyan (50%)
- Magenta (57%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 36.474, 305.195 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 50, 36.474, 305.195 by changing the saturation by 10% instead.


 50, 36.474,
305.195


 50, 36.474,
305.195


 100, 36.474,
305.195


 40, 36.474,
305.195


 70, 36.474,
305.195

 30, 36.474,
305.195


 80, 36.474,
305.195


 20, 36.474,
305.195

 90, 36.474,
305.195

 10, 36.474,
305.195

 0, 36.474, 305.195

 50, 36.474,
305.195

 50, 36.474,
305.195

45, 47.281,
306.007

55, 25.906,
304.443

40, 58.179,
306.849

61, 15.651,
303.763

35, 68.863,
307.663

66, 5.730, 303.155

30, 78.801,
308.352

72, 3.853, 122.647

77, 13.111,
122.175

26, 87.173,
308.770

82, 22.056,
121.772

24, 93.082,
308.770

88, 30.706,
121.424

23, 95.180,
308.766

93, 39.079,
121.124

97, 43.718,
118.888

Harmonies

Complementary

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



50, 36.474, 305.195



67, 34.006, 120.874

Rectangle

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



50, 36.474, 305.195



50, 36.474, 355.195



50, 36.474, 125.195



50, 36.474, 175.195

Sweetspot

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



50, 36.473, 305.195



81, 13.334, 303.468



60, 17.346, 237.677



42, 9.051, 303.548



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



50, 36.473, 305.195



59, 54.893, 305.829



53, 39.348, 320.881



33, 5.461, 303.352



19, 85.908, 308.875



1, 9.761, 301.125

Inverse Universe

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



54, 32.874, 338.139



65, 48.580, 338.843



65, 38.803, 137.337



33, 5.108, 336.035



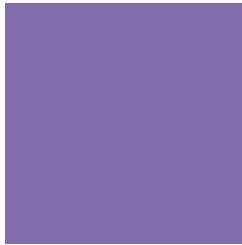
32, 60.662, 346.547



2, 8.752, 338.838

Previews

White Background



This preview shows how the CIELCh color 50, 36.474, 305.195 looks on a white background.

Color Contrast Check

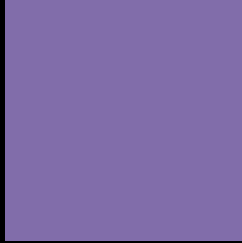
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 36.474, 305.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

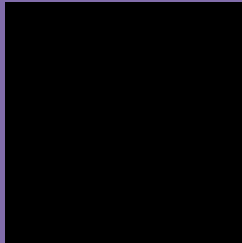
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 36.474, 305.195

Background



This preview shows how black text looks on a background with the CIELCh color 50, 36.474, 305.195.



This preview shows how white text looks on a background with the CIELCh color 50, 36.474, 305.195.

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

50, 36.474, 305.195

Protanopia

50, 35.260, 285.548

Deuteranopia

50, 29.469, 283.796



Tritanopia
50, 5.417, 303.415

Trichromacy



Original Color
50, 36.474, 305.195

Protanomaly
50, 35.105, 292.464

Deuteranomaly
50, 31.585, 292.336

Tritanomaly
50, 16.810, 303.761

Monochromacy



Original Color
50, 36.474, 305.195

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 13.186, 303.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 36.474, 305.195 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, 109, 170)` looks like.

```
.text, #text, p{  
    color:rgb(129, 109, 170)  
}
```

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, 109, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 109, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 36.474, 305.195 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, 109, 170) }
```

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

```
.border{ border-color:rgb(129, 109, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 109, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 109, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 109, 170);  
box-shadow:4px 4px 4px 4px rgb(129, 109,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 36.474, 305.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 109, 170) }
```

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

```
.background{ background-color: rgb(129,  
109, 170) }
```

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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