

Converting Colors

CIELCh(50, 48.028, 304.954)

Have a look what the booklet for
CIELCh(50, 48.028, 304.954)
contains.

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Color

CIELCh(50, 48.117, 305.241)

Conversions

Conversions Part 1

Format	Color
Hex	8269BA
RGB	130, 105, 186
RGB Percent	51%, 41%, 73%
CMY	0.4899, 0.5879, 0.2703
CMYK	0.30, 0.44, 0.00, 0.27
HSL	259°, 37%, 57%
HSV	259°, 44%, 73%
XYZ	23.1485, 18.4187, 48.8344
YIQ	121.7090, -11.1010, 30.4910

Conversions

Conversions Part 2

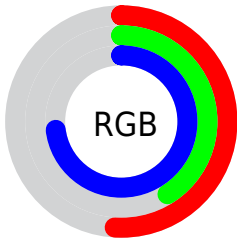
Format	Color
R_{YB}	130, 105, 186
Decimal	8546746
CIE _{Lab}	50.00, 27.76, -39.30
CIE _{LCh}	50, 48.117, 305.241
Yxy	18.4187, 0.2561, 0.2037
Android (android.graphics.Color)	4286736826 (0xFF8269BA)
YUV	121.7090, 31.6955, 7.2712
Hunter-Lab	42.9170, 21.1746, -37.4231

Details

The CIELCh color `50, 48.117, 305.241` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `72, 43.925, 119.685`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 48.113, 305.147`, and `30, 48.084, 305.491` is the 20% darker color. If you saturate the color by 10%, you get `44, 59.891, 306.134`, and if you desaturate by 10%, it is `56, 36.505, 304.396`.

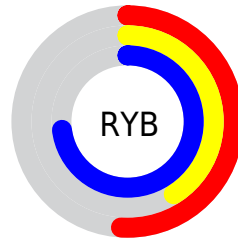
Distribution



Red (51%)

Green (41%)

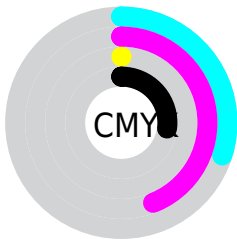
Blue (73%)



Red (51%)

Yellow (41%)

Blue (73%)

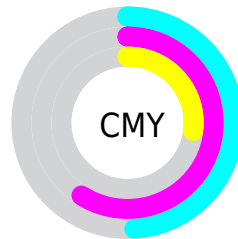


Cyan (30%)

Magenta (44%)

Yellow (0%)

Black (27%)



Cyan (49%)


Magenta (59%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 48.117, 305.241 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, 48.117, 305.241 by changing the saturation by 10% instead.


 50, 48.117,
305.241


 50, 48.117,
305.241


 100, 48.117,
305.241


 40, 48.117,
305.241


 70, 48.117,
305.241

 30, 48.117,
305.241


 80, 48.117,
305.241


 20, 48.117,
305.241

 90, 48.117,
305.241

 10, 48.117,
305.241

 0, 48.117, 305.241

 50, 48.117,
305.241

 50, 48.117,
305.241

44, 59.891,
306.134

56, 36.505,
304.396

39, 71.549,
307.021

62, 25.194,
303.623

34, 82.564,
307.811

68, 14.240,
302.931

30, 92.087,
308.361

73, 3.659, 302.312

27, 99.032,
308.494

79, 6.555, 121.799

25, 102.333,
308.436

85, 16.416,
121.332

91, 25.941,
120.930

97, 35.151,
120.583

98, 34.851,
113.280

Harmonies

Complementary

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



50, 48.117, 305.241



72, 43.925, 119.685

Rectangle

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



50, 48.117, 305.241



50, 48.117, 355.241



50, 48.117, 125.241



50, 48.117, 175.241

Sweetspot

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



50, 48.116, 305.241



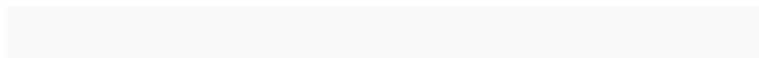
86, 16.940, 302.910



64, 21.975, 236.658



45, 11.996, 303.057



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 48.116, 305.241



58, 72.032, 306.073



54, 51.053, 320.681



36, 5.855, 302.663



20, 89.491, 308.564



1, 15.603, 299.156

Inverse Universe

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



55, 43.166, 337.960



66, 62.802, 338.834



70, 50.144, 136.362



36, 5.565, 335.241



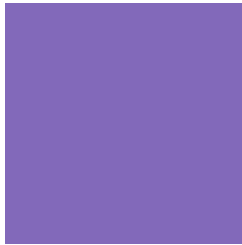
34, 63.624, 345.230



3, 13.962, 339.806

Previews

White Background



This preview shows how the CIELCh color 50, 48.117, 305.241 looks on a white background.

Color Contrast Check

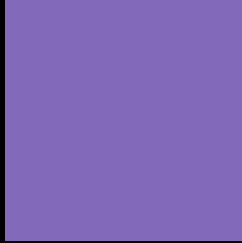
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.117, 305.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

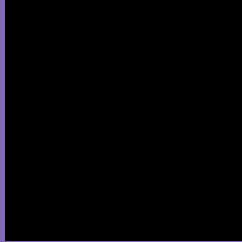
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 48.117, 305.241

Background



This preview shows how black text looks on a background with the CIELCh color 50, 48.117, 305.241.



This preview shows how white text looks on a background with the CIELCh color 50, 48.117, 305.241.

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





Tritanopia
50, 5.293, 295.106

Trichromacy



Original Color
50, 48.117, 305.241

Protanomaly
50, 46.748, 292.707

Deuteranomaly
50, 40.941, 290.612

Tritanomaly
50, 20.941, 302.802

Monochromacy



Original Color
50, 48.117, 305.241

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 17.355, 303.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 48.117, 305.241 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(130, 105, 186)` looks like.

```
.text, #text, p{  
    color:rgb(130, 105, 186)  
}
```

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(130, 105, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 105, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 48.117, 305.241 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(130, 105, 186) }
```

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

```
.border{ border-color:rgb(130, 105, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 105, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 105, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 105, 186);  
box-shadow:4px 4px 4px 4px rgb(130, 105,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 48.117, 305.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 105, 186) }
```

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

```
.background{ background-color: rgb(130,  
105, 186) }
```

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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