

Converting Colors

CIELCh(50, 47.004, 322.440)

Have a look what the booklet for
CIELCh(50, 47.004, 322.440)
contains.

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Color

CIELCh(50, 46.811, 322.519)

Conversions

Conversions Part 1

Format	Color
Hex	9E60A8
RGB	158, 96, 168
RGB Percent	62%, 38%, 66%
CMY	0.3809, 0.6240, 0.3417
CMYK	0.06, 0.43, 0.00, 0.34
HSL	292°, 29%, 52%
HSV	292°, 43%, 66%
XYZ	25.2987, 18.4187, 39.1994
YIQ	122.7460, 13.8400, 35.5360

Conversions

Conversions Part 2

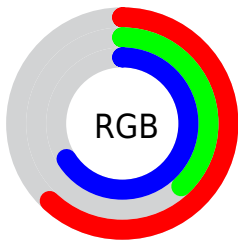
Format	Color
R _Y B	158, 96, 168
Decimal	10379432
CIE Lab	50.00, 37.15, -28.48
CIE LCh	50, 46.811, 322.519
Yxy	18.4187, 0.3051, 0.2221
Android (android.graphics.Color)	4288569512 (0xFF9E60A8)
YUV	122.7460, 22.3102, 30.9178
Hunter-Lab	42.9170, 30.1174, -24.1122

Details

The CIELCh color $50, 46.811, 322.519$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 46.320, 137.998$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 46.671, 322.731$, and $30, 46.807, 322.383$ is the 20% darker color. If you saturate the color by 10%, you get $46, 56.979, 322.881$, and if you desaturate by 10%, it is $54, 36.071, 322.101$.

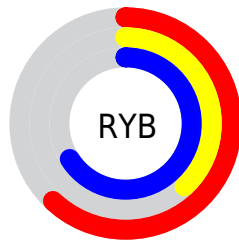
Distribution



Red (62%)

Green (38%)

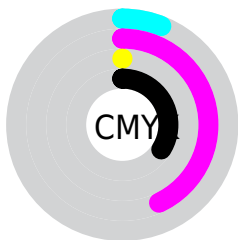
Blue (66%)



Red (62%)

Yellow (38%)

Blue (66%)

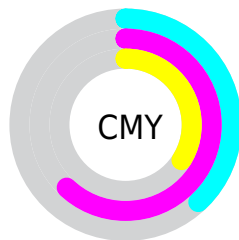


Cyan (6%)

Magenta (43%)

Yellow (0%)

Black (34%)



Cyan (38%)


Magenta (62%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 46.811, 322.519 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, 46.811, 322.519 by changing the saturation by 10% instead.


 50, 46.811,
322.519


 50, 46.811,
322.519


 100, 46.811,
322.519


 40, 46.811,
322.519


 70, 46.811,
322.519


 30, 46.811,
322.519

 80, 46.811,
322.519


 20, 46.811,
322.519

 90, 46.811,
322.519

 10, 46.811,
322.519

 0, 46.811, 322.519

 50, 46.811,
322.519

 50, 46.811,
322.519

46, 56.979,
322.881

54, 36.071,
322.101

43, 66.182,
323.156

58, 25.075,
321.650

40, 73.959,
323.311

63, 14.043,
321.182

38, 79.871,
323.314

67, 3.123, 320.674

72, 7.590, 140.316

36, 83.637,
323.138

77, 18.042,
139.873

36, 85.408,
322.939

82, 28.206,
139.464

86, 38.071,
139.084

91, 47.637,
138.731

Harmonies

Complementary

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



50, 46.811, 322.519



63, 46.320, 137.998

Rectangle

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



50, 46.811, 322.519



50, 46.811, 12.519



50, 46.811, 142.519



50, 46.811, 192.519

Sweetspot

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



50, 46.809, 322.519



80, 17.614, 321.199



47, 36.281, 289.632



41, 12.324, 321.300



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



50, 46.809, 322.519



60, 68.410, 322.850



50, 38.105, 339.818



33, 6.164, 321.011



31, 77.810, 322.992



2, 11.016, 319.217

Inverse Universe

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



49, 31.208, 13.251



59, 46.803, 15.116



63, 37.446, 152.508



33, 3.781, 8.751



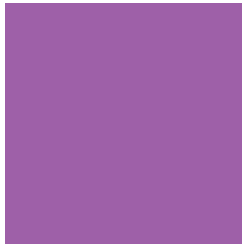
30, 63.838, 32.702



1, 6.686, 9.563

Previews

White Background



This preview shows how the CIELCh color 50, 46.811, 322.519 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, 46.811, 322.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

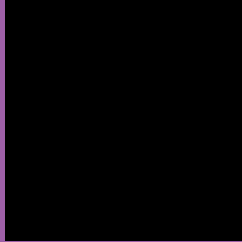
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 46.811, 322.519

Background



This preview shows how black text looks on a background with the CIELCh color 50, 46.811, 322.519.

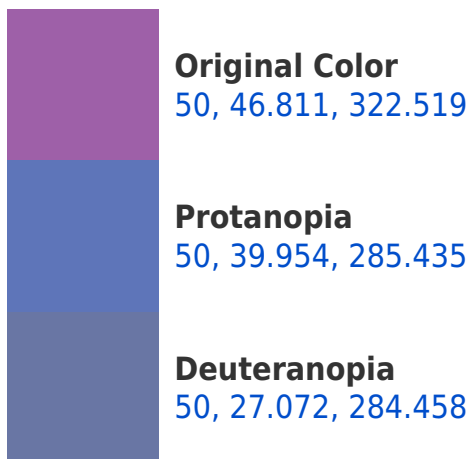



This preview shows how white text looks on a background with the CIELCh color 50, 46.811, 322.519.

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, 19.044, 6.026

Trichromacy



Original Color
50, 46.811, 322.519

Protanomaly
49, 41.199, 298.750

Deuteranomaly
50, 32.726, 302.565

Tritanomaly
50, 26.928, 339.330

Monochromacy



Original Color
50, 46.811, 322.519

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 17.648, 322.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 46.811, 322.519 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(158, 96, 168)` looks like.

```
.text, #text, p{  
    color:rgb(158, 96, 168)  
}
```

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(158, 96, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 96, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 46.811, 322.519 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(158, 96, 168) }
```

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

```
.border{ border-color:rgb(158, 96, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 96, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 96, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 96, 168);  
box-shadow:4px 4px 4px 4px rgb(158, 96,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 46.811, 322.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 96, 168) }
```

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

```
.background{ background-color: rgb(158, 96,  
168) }
```

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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