

Converting Colors

CIELCh(50, 34.317, 315.499)

Have a look what the booklet for
CIELCh(50, 34.317, 315.499)
contains.

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Color

CIELCh(50, 34.045, 315.500)

Conversions

Conversions Part 1

Format	Color
Hex	8D6AA0
RGB	141, 106, 160
RGB Percent	55%, 42%, 63%
CMY	0.4482, 0.5854, 0.3737
CMYK	0.12, 0.34, 0.00, 0.37
HSL	279°, 22%, 52%
HSV	279°, 34%, 63%
XYZ	22.3828, 18.4187, 35.5019
YIQ	122.6210, 3.5260, 24.2140

Conversions

Conversions Part 2

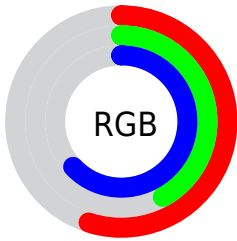
Format	Color
R_{YB}	141, 106, 160
Decimal	9267872
CIE _{Lab}	50.00, 24.28, -23.86
CIE _{LCh}	50, 34.045, 315.500
Y _{xy}	18.4187, 0.2933, 0.2414
Android (android.graphics.Color)	4287457952 (0xFF8D6AA0)
YUV	122.6210, 18.4278, 16.1184
Hunter-Lab	42.9170, 17.9897, -19.0042

Details

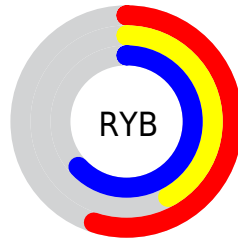
The CIELCh color **50, 34.045, 315.500** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **62, 33.029, 132.517**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 33.870, 315.239**, and **30, 33.909, 315.697** is the 20% darker color. If you saturate the color by 10%, you get **46, 44.253, 315.921**, and if you desaturate by 10%, it is **55, 23.798, 315.061**.

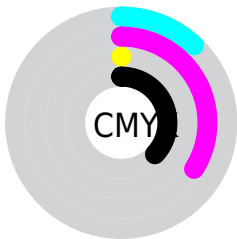
Distribution



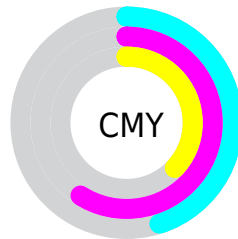
- Red (55%)
- Green (42%)
- Blue (63%)



- Red (55%)
- Yellow (42%)
- Blue (63%)



- Cyan (12%)
- Magenta (34%)
- Yellow (0%)
- Black (37%)





- Cyan (45%)
- Magenta (59%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 34.045, 315.500 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, 34.045, 315.500 by changing the saturation by 10% instead.


 50, 34.045,
315.500


 50, 34.045,
315.500


 100, 34.045,
315.500


 40, 34.045,
315.500


 70, 34.045,
315.500

 30, 34.045,
315.500


 80, 34.045,
315.500


 20, 34.045,
315.500

 90, 34.045,
315.500

 10, 34.045,
315.500

 0, 34.045, 315.500

 50, 34.045,
315.500

 50, 34.045,
315.500

46, 44.253,
315.921

55, 23.798,
315.061

41, 54.195,
316.293

59, 13.662,
314.624

37, 63.528,
316.572

64, 3.721, 314.182

69, 5.976, 133.854

34, 71.790,
316.698

73, 15.409,
133.481

31, 78.438,
316.599

78, 24.568,
133.150

29, 82.986,
316.205

83, 33.458,
132.853

28, 85.185,
315.891

88, 42.085,
132.587

92, 50.461,
132.350

Harmonies

Complementary

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



50, 34.045, 315.500



62, 33.029, 132.517

Rectangle

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



50, 34.045, 315.500



50, 34.045, 5.500



50, 34.045, 135.500



50, 34.045, 185.500

Sweetspot

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



50, 34.043, 315.500



77, 12.160, 314.468



52, 20.681, 273.708



40, 8.374, 314.525



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



50, 34.043, 315.500



60, 51.066, 315.838



52, 33.646, 330.298



31, 5.524, 314.427



25, 78.432, 315.989



1, 7.097, 312.969

Inverse Universe

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



51, 24.458, 356.116



61, 36.742, 357.300



61, 33.601, 145.811



31, 3.922, 353.249



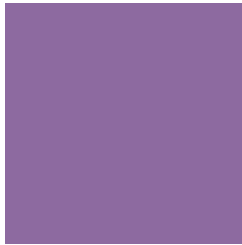
30, 55.523, 15.038



1, 4.998, 353.658

Previews

White Background



This preview shows how the CIELCh color 50, 34.045, 315.500 looks on a white background.

Color Contrast Check

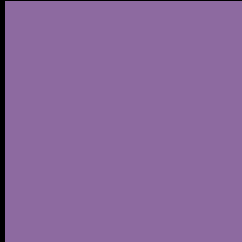
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.045, 315.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

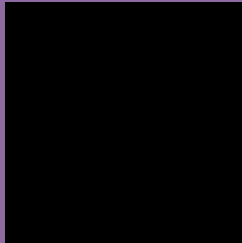
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 34.045, 315.500

Background



This preview shows how black text looks on a background with the CIELCh color 50, 34.045, 315.500.



This preview shows how white text looks on a background with the CIELCh color 50, 34.045, 315.500.

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, 34.045, 315.500

Protanopia
50, 30.571, 285.555

Deuteranopia
50, 23.463, 287.275



Tritanopia
50, 10.375, 350.301

Trichromacy



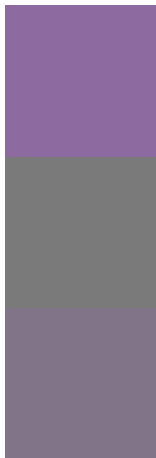
Original Color
50, 34.045, 315.500

Protanomaly
50, 31.132, 296.528

Deuteranomaly
50, 26.605, 299.520

Tritanomaly
50, 18.532, 326.497

Monochromacy



Original Color
50, 34.045, 315.500

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 12.784, 314.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 34.045, 315.500 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(141, 106, 160)` looks like.

```
.text, #text, p{  
    color:rgb(141, 106, 160)  
}
```

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(141, 106, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 106, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 34.045, 315.500 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(141, 106, 160) }
```

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

```
.border{ border-color:rgb(141, 106, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 106, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 106, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 106, 160);  
box-shadow:4px 4px 4px 4px rgb(141, 106,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 34.045, 315.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 106, 160) }
```

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

```
.background{ background-color: rgb(141,  
106, 160) }
```

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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