

Converting Colors

CIELCh(49, 25.771, 315.501)

Have a look what the booklet for
CIELCh(49, 25.771, 315.501)
contains.

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Color

CIELCh(49, 25.507, 315.265)

Conversions

Conversions Part 1

Format	Color
Hex	856B93
RGB	133, 107, 147
RGB Percent	52%, 42%, 58%
CMY	0.4786, 0.5806, 0.4237
CMYK	0.10, 0.27, 0.00, 0.42
HSL	279°, 16%, 50%
HSV	279°, 27%, 58%
XYZ	20.1815, 17.5941, 29.9169
YIQ	119.3340, 2.6560, 17.9520

Conversions

Conversions Part 2

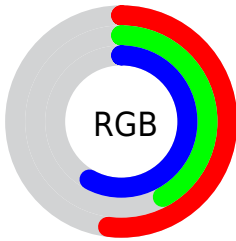
Format	Color
RYB	133, 107, 147
Decimal	8743827
CIELab	49.00, 18.12, -17.95
CIElCh	49, 25.507, 315.265
Yxy	17.5941, 0.2981, 0.2599
Android (android.graphics.Color)	4286933907 (0xFF856B93)
YUV	119.3340, 13.6393, 11.9851
Hunter-Lab	41.9453, 12.4788, -12.9260

Details

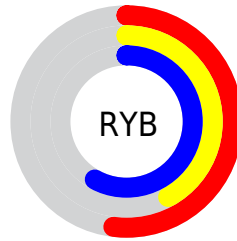
The CIELCh color $49, 25.507, 315.265$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $58, 24.903, 132.921$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 25.245, 315.549$, and $29, 25.604, 315.638$ is the 20% darker color. If you saturate the color by 10%, you get $45, 35.086, 315.697$, and if you desaturate by 10%, it is $53, 15.988, 314.829$.

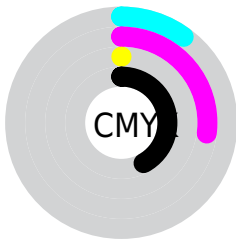
Distribution



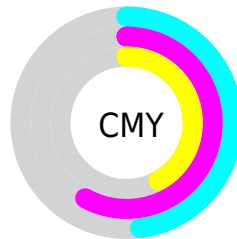
- Red (52%)
- Green (42%)
- Blue (58%)



- Red (52%)
- Yellow (42%)
- Blue (58%)



- Cyan (10%)
- Magenta (27%)
- Yellow (0%)
- Black (42%)




- Cyan (48%)
- Magenta (58%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 25.507, 315.265 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, 25.507, 315.265 by changing the saturation by 10% instead.


 49, 25.507,
315.265


 49, 25.507,
315.265


 100, 25.507,
315.265


 39, 25.507,
315.265

 69, 25.507,
315.265


 29, 25.507,
315.265

 79, 25.507,
315.265

 19, 25.507,
315.265

 89, 25.507,
315.265

 9, 25.507, 315.265

 99, 25.507,
315.265

 0, 25.507, 315.265

 49, 25.507,

 49, 25.507,

315.265

45, 35.086,
315.697

41, 44.573,
316.103

37, 53.725,
316.448

33, 62.190,
316.685

30, 69.514,
316.752

28, 75.195,
316.577

26, 79.051,
316.136

25, 80.073,
316.019

315.265

53, 15.988,
314.829

58, 6.630, 314.399

62, 2.515, 134.076

67, 11.419,
133.667

71, 20.072,
133.326

75, 28.472,
133.019

80, 36.626,
132.743

84, 44.543,
132.497

■ 89, 52.233,
132.278

Harmonies

Complementary

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



49, 25.507, 315.265



58, 24.903, 132.921

Rectangle

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



49, 25.507, 315.265



49, 25.507, 5.265



49, 25.507, 135.265



49, 25.507, 185.265

Sweetspot

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



49, 25.505, 315.265



73, 9.121, 314.440



51, 15.501, 272.409



38, 6.543, 314.501



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 25.505, 315.265



60, 38.503, 315.546



50, 25.377, 329.887



29, 5.229, 314.485



24, 76.339, 316.079



1, 4.528, 314.127

Inverse Universe

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



50, 18.258, 355.355



61, 27.627, 356.197



57, 25.325, 146.421



29, 3.706, 353.364



28, 54.070, 15.015



1, 3.191, 352.585

Previews

White Background



This preview shows how the CIELCh color 49, 25.507, 315.265 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 CIELCh color 49, 25.507, 315.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

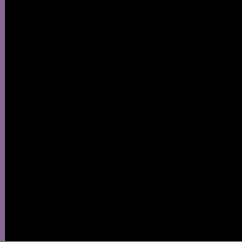
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 25.507, 315.265

Background



This preview shows how black text looks on a background with the CIELCh color 49, 25.507, 315.265.



This preview shows how white text looks on a background with the CIELCh color 49, 25.507, 315.265.

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, 25.507, 315.265

Protanopia

49, 22.439, 285.126

Deuteranopia

49, 18.814, 291.521



Tritanopia
49, 8.691, 343.112

Trichromacy



Original Color
49, 25.507, 315.265

Protanomaly
49, 23.035, 296.655

Deuteranomaly
49, 20.944, 301.830

Tritanomaly
49, 14.192, 325.239

Monochromacy



Original Color
49, 25.507, 315.265

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 8.981, 314.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 25.507, 315.265 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(133, 107, 147)` looks like.

```
.text, #text, p{  
    color:rgb(133, 107, 147)  
}
```

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(133, 107, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 107, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 25.507, 315.265 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(133, 107, 147) }
```

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

```
.border{ border-color:rgb(133, 107, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 107, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 107, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 107, 147);  
box-shadow:4px 4px 4px 4px rgb(133, 107,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 25.507, 315.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 107, 147) }
```

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

```
.background{ background-color: rgb(133,  
107, 147) }
```

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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