

Converting Colors

CIELCh(49, 40.802, 318.956)

Have a look what the booklet for
CIELCh(49, 40.802, 318.956)
contains.

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Color

CIELCh(49, 40.410, 318.808)

Conversions

Conversions Part 1

Format	Color
Hex	9263A2
RGB	146, 99, 162
RGB Percent	57%, 39%, 64%
CMY	0.4281, 0.6123, 0.3653
CMYK	0.10, 0.39, 0.00, 0.37
HSL	285°, 25%, 51%
HSV	285°, 39%, 63%
XYZ	22.7800, 17.5941, 36.3023
YIQ	120.2350, 7.7890, 29.5570

Conversions

Conversions Part 2

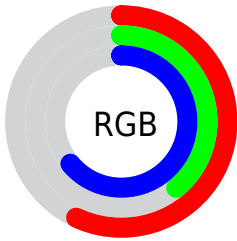
Format	Color
R_{YB}	146, 99, 162
Decimal	9593762
CIE _{Lab}	49.00, 30.41, -26.61
CIE _{LCh}	49, 40.410, 318.808
Yxy	17.5941, 0.2971, 0.2295
Android (android.graphics.Color)	4287783842 (0xFF9263A2)
YUV	120.2350, 20.5901, 22.5959
Hunter-Lab	41.9453, 23.5371, -21.9519

Details

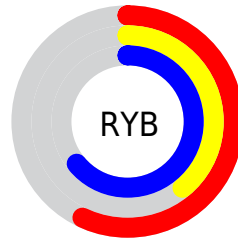
The CIELCh color $49, 40.410, 318.808$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 39.500, 135.193$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 40.152, 318.845$, and $29, 40.231, 318.736$ is the 20% darker color. If you saturate the color by 10%, you get $45, 50.579, 319.180$, and if you desaturate by 10%, it is $53, 29.970, 318.394$.

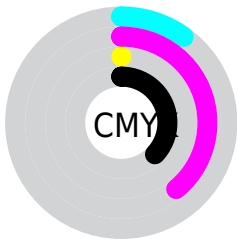
Distribution



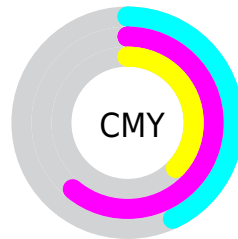
- Red (57%)
- Green (39%)
- Blue (64%)



- Red (57%)
- Yellow (39%)
- Blue (64%)



- Cyan (10%)
- Magenta (39%)
- Yellow (0%)
- Black (37%)




- Cyan (43%)
- Magenta (61%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 40.410, 318.808 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, 40.410, 318.808 by changing the saturation by 10% instead.


 49, 40.410,
318.808


 49, 40.410,
318.808


 100, 40.410,
318.808

 39, 40.410,
318.808

 69, 40.410,
318.808


 29, 40.410,
318.808

 79, 40.410,
318.808

 19, 40.410,
318.808

 89, 40.410,
318.808

 9, 40.410, 318.808

 99, 40.410,
318.808

 0, 40.410, 318.808

 49, 40.410,

 49, 40.410,

318.808

45, 50.579,
319.180

41, 60.163,
319.475

38, 68.737,
319.649

35, 75.810,
319.650

33, 80.926,
319.427

31, 84.164,
318.987

31, 84.499,
318.941

318.808

53, 29.970,
318.394

58, 19.488,
317.962

62, 9.107, 317.525

67, 1.082, 137.282

72, 11.030,
136.751

76, 20.709,
136.376

81, 30.112,
136.035

86, 39.239,
135.722

■ 91, 48.096,
135.438

Harmonies

Complementary

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



49, 40.410, 318.808



62, 39.500, 135.193

Rectangle

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



49, 40.410, 318.808



49, 40.410, 8.808



49, 40.410, 138.808



49, 40.410, 188.808

Sweetspot

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



49, 40.408, 318.808



78, 15.292, 317.670



49, 27.442, 282.160



41, 10.235, 317.724



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 40.408, 318.808



59, 60.505, 319.145



50, 36.432, 334.321



32, 5.817, 317.540



27, 78.070, 319.016



1, 8.846, 315.476

Inverse Universe

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



49, 27.681, 3.858



59, 41.905, 5.486



61, 36.237, 148.558



32, 3.834, 0.025



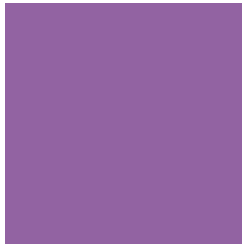
30, 58.644, 23.940



1, 5.785, 0.981

Previews

White Background



This preview shows how the CIELCh color 49, 40.410, 318.808 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 CIE LCh color 49, 40.410, 318.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

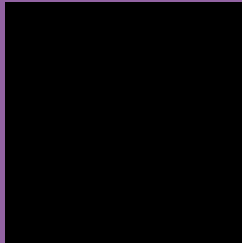
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 40.410, 318.808

Background



This preview shows how black text looks on a background with the CIELCh color 49, 40.410, 318.808.



This preview shows how white text looks on a background with the CIELCh color 49, 40.410, 318.808.

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, 40.410, 318.808

Protanopia

49, 35.395, 285.196

Deuteranopia

49, 25.966, 285.355



Tritanopia
49, 13.821, 358.857

Trichromacy



Original Color
49, 40.410, 318.808

Protanomaly
49, 35.973, 297.284

Deuteranomaly
49, 30.312, 300.481

Tritanomaly
49, 21.642, 332.925

Monochromacy



Original Color
49, 40.410, 318.808

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 15.080, 317.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 40.410, 318.808 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(146, 99, 162)` looks like.

```
.text, #text, p{  
    color:rgb(146, 99, 162)  
}
```

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(146, 99, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 99, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 40.410, 318.808 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(146, 99, 162) }
```

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

```
.border{ border-color:rgb(146, 99, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 99, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 99, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 99, 162);  
box-shadow:4px 4px 4px 4px rgb(146, 99,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 40.410, 318.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 99, 162) }
```

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

```
.background{ background-color: rgb(146, 99,  
162) }
```

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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