

Converting Colors

CIELCh(51, 39.532, 316.318)

Have a look what the booklet for
CIELCh(51, 39.532, 316.318)
contains.

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Color

CIELCh(51, 39.560, 316.257)

Conversions

Conversions Part 1

Format	Color
Hex	9369A8
RGB	147, 105, 168
RGB Percent	58%, 41%, 66%
CMY	0.4219, 0.5867, 0.3395
CMYK	0.12, 0.37, 0.00, 0.34
HSL	280°, 27%, 54%
HSV	280°, 37%, 66%
XYZ	24.3074, 19.2686, 39.6911
YIQ	124.7400, 4.8090, 28.4970

Conversions

Conversions Part 2

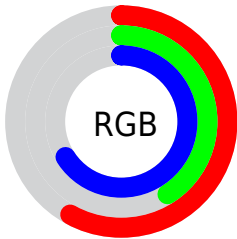
Format	Color
R_{YB}	147, 105, 168
Decimal	9660840
CIE Lab	51.00, 28.58, -27.35
CIE LCh	51, 39.560, 316.257
Yxy	19.2686, 0.2919, 0.2314
Android (android.graphics.Color)	4287850920 (0xFF9369A8)
YUV	124.7400, 21.3272, 19.5220
Hunter-Lab	43.8960, 22.0263, -22.8832

Details

The CIELCh color `51, 39.560, 316.257` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `65, 38.335, 132.908`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 39.297, 316.426`, and `31, 39.503, 316.011` is the 20% darker color. If you saturate the color by 10%, you get `47, 50.141, 316.657`, and if you desaturate by 10%, it is `56, 28.835, 315.826`.

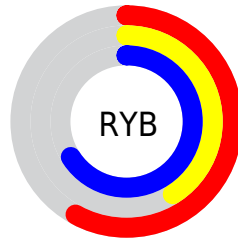
Distribution



Red (58%)

Green (41%)

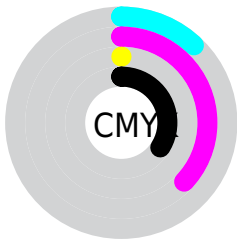
Blue (66%)



Red (58%)

Yellow (41%)

Blue (66%)

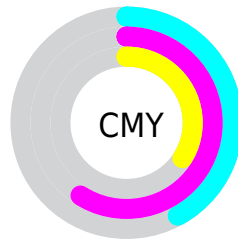


Cyan (12%)

Magenta (37%)

Yellow (0%)

Black (34%)



Cyan (42%)


Magenta (59%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 39.560, 316.257 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 51, 39.560, 316.257 by changing the saturation by 10% instead.


 51, 39.560,
316.257


 51, 39.560,
316.257


 100, 39.560,
316.257


 41, 39.560,
316.257


 71, 39.560,
316.257

 31, 39.560,
316.257

 81, 39.560,
316.257

 21, 39.560,
316.257

 91, 39.560,
316.257

 11, 39.560,
316.257

 1, 39.560, 316.257

 0, 39.560, 316.257

51, 39.560,
316.257

51, 39.560,
316.257

47, 50.141,
316.657

56, 28.835,
315.826

42, 60.292,
316.990

60, 18.162,
315.389

38, 69.599,
317.207

65, 7.656, 314.955

35, 77.535,
317.244

70, 2.616, 134.630

33, 83.545,
317.032

75, 12.619,
134.211

31, 87.392,
316.536

80, 22.338,
133.863

30, 88.287,
316.405

85, 31.773,
133.549

90, 40.928,
133.267

■ 94, 48.673,
132.804

Harmonies

Complementary

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



51, 39.560, 316.257



65, 38.335, 132.908

Rectangle

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



51, 39.560, 316.257



51, 39.560, 6.257



51, 39.560, 136.257



51, 39.560, 186.257

Sweetspot

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



51, 39.558, 316.257



81, 14.124, 315.119



53, 24.998, 277.153



42, 9.489, 315.175



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



51, 39.558, 316.257



61, 59.002, 316.596



53, 37.919, 331.695



33, 5.846, 315.036



26, 80.194, 316.511



1, 10.363, 312.140

Inverse Universe

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



52, 28.146, 357.949



63, 42.084, 359.326



64, 37.849, 146.481



33, 4.089, 354.497



31, 57.337, 16.971



2, 7.155, 356.878

Previews

White Background



This preview shows how the CIELCh color 51, 39.560, 316.257 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 CIELCh color 51, 39.560, 316.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

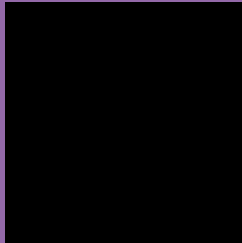
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 39.560, 316.257

Background



This preview shows how black text looks on a background with the CIELCh color 51, 39.560, 316.257.



This preview shows how white text looks on a background with the CIELCh color 51, 39.560, 316.257.

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


51, 39.560, 316.257

Protanopia

51, 35.115, 285.400

Deuteranopia

51, 26.921, 285.723



Tritanopia
51, 11.790, 354.583

Trichromacy



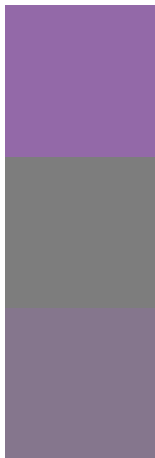
Original Color
51, 39.560, 316.257

Protanomaly
51, 35.648, 296.607

Deuteranomaly
51, 30.554, 299.012

Tritanomaly
51, 20.274, 328.385

Monochromacy



Original Color
51, 39.560, 316.257

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 14.638, 314.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 39.560, 316.257 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(147, 105, 168)` looks like.

```
.text, #text, p{  
    color:rgb(147, 105, 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(147, 105, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 105, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 39.560, 316.257 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(147, 105, 168) }
```

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

```
.border{ border-color:rgb(147, 105, 168) }
```

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

Here you see how a box with a 4 pixel rgb(147, 105, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 105, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 105, 168);  
box-shadow:4px 4px 4px 4px rgb(147, 105,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 39.560, 316.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 105, 168) }
```

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

```
.background{ background-color: rgb(147,  
105, 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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