

Converting Colors

CIELCh(51, 40.344, 314.646)

Have a look what the booklet for
CIELCh(51, 40.344, 314.646)
contains.

CIELCh(51, 40.344, 314.646)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 40.344, 314.646)

Conversions

Conversions Part 1

Format	Color
Hex	926AAB
RGB	146, 106, 171
RGB Percent	57%, 42%, 67%
CMY	0.4285, 0.5853, 0.3305
CMYK	0.15, 0.38, 0.00, 0.33
HSL	277°, 28%, 54%
HSV	277°, 38%, 67%
XYZ	24.2548, 19.2686, 40.8273
YIQ	125.3700, 2.9750, 28.6950

Conversions

Conversions Part 2

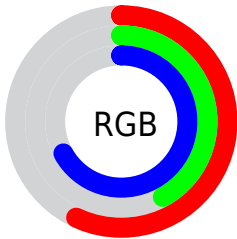
Format	Color
R_{YB}	146, 106, 171
Decimal	9595563
CIE _{Lab}	51.00, 28.35, -28.70
CIE _{LCh}	51, 40.344, 314.646
Yxy	19.2686, 0.2875, 0.2284
Android (android.graphics.Color)	4287785643 (0xFF926AAB)
YUV	125.3700, 22.4956, 18.0925
Hunter-Lab	43.8960, 21.8122, -24.4179

Details

The CIELCh color **51, 40.344, 314.646** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **66, 38.817, 131.241**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 40.502, 314.583**, and **31, 39.852, 314.637** is the 20% darker color. If you saturate the color by 10%, you get **46, 51.048, 315.071**, and if you desaturate by 10%, it is **56, 29.543, 314.196**.

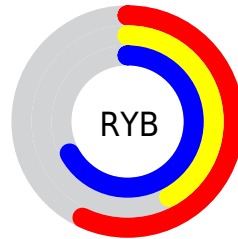
Distribution



Red (57%)

Green (42%)

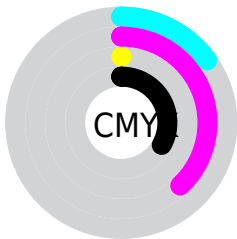
Blue (67%)



Red (57%)

Yellow (42%)

Blue (67%)

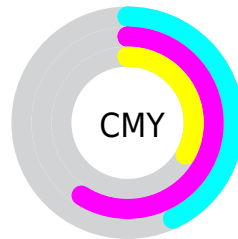


Cyan (15%)

Magenta (38%)

Yellow (0%)

Black (33%)



Cyan (43%)


Magenta (59%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 40.344, 314.646 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, 40.344, 314.646 by changing the saturation by 10% instead.


 51, 40.344,
314.646

 51, 40.344,
314.646


 100, 40.344,
314.646


 41, 40.344,
314.646


 71, 40.344,
314.646

 31, 40.344,
314.646

 81, 40.344,
314.646

 21, 40.344,
314.646

 91, 40.344,
314.646

 11, 40.344,
314.646

 1, 40.344, 314.646

 0, 40.344, 314.646

51, 40.344,
314.646

51, 40.344,
314.646

46, 51.048,
315.071

56, 29.543,
314.196

42, 61.374,
315.432

61, 18.829,
313.745

38, 70.904,
315.676

66, 8.308, 313.305

34, 79.086,
315.730

71, 1.961, 132.987

32, 85.314,
315.512

76, 11.951,
132.556

30, 89.368,
314.995

81, 21.650,
132.212

29, 90.099,
314.896

86, 31.061,
131.905

91, 40.191,
131.631

■ 95, 46.534,
130.790

Harmonies

Complementary

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



51, 40.344, 314.646



66, 38.817, 131.241

Rectangle

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



51, 40.344, 314.646



51, 40.344, 4.646



51, 40.344, 134.646



51, 40.344, 184.646

Sweetspot

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



51, 40.342, 314.646



82, 14.081, 313.442



54, 23.637, 271.770



43, 9.552, 313.499



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 40.342, 314.646



60, 60.468, 315.021



54, 40.780, 329.457



33, 5.773, 313.358



25, 81.007, 315.021



1, 10.235, 310.363

Inverse Universe

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



52, 29.578, 354.541



63, 44.220, 355.912



64, 40.801, 144.383



33, 4.210, 351.146



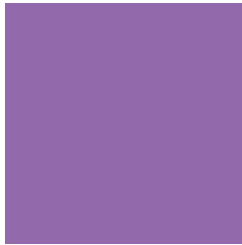
31, 56.550, 12.123



2, 7.333, 353.838

Previews

White Background



This preview shows how the CIELCh color 51, 40.344, 314.646 looks on a white background.

Color Contrast Check

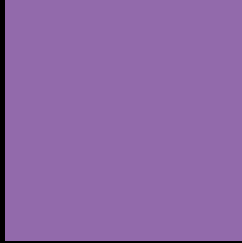
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 40.344, 314.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

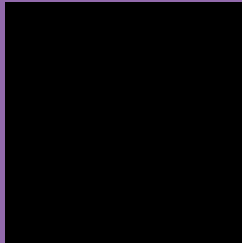
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 40.344, 314.646

Background



This preview shows how black text looks on a background with the CIELCh color 51, 40.344, 314.646.



This preview shows how white text looks on a background with the CIELCh color 51, 40.344, 314.646.

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, 40.344, 314.646

Protanopia

51, 36.315, 284.999

Deuteranopia

51, 28.132, 284.957



Tritanopia
51, 10.700, 351.456

Trichromacy



Original Color
51, 40.344, 314.646

Protanomaly
51, 36.778, 295.659

Deuteranomaly
51, 31.654, 297.702

Tritanomaly
51, 20.305, 325.523

Monochromacy



Original Color
51, 40.344, 314.646

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 15.169, 314.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 40.344, 314.646 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, 106, 171)` looks like.

```
.text, #text, p{  
    color:rgb(146, 106, 171)  
}
```

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, 106, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 106, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 40.344, 314.646 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, 106, 171) }
```

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

```
.border{ border-color:rgb(146, 106, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 106, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 106, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 106, 171);  
box-shadow:4px 4px 4px 4px rgb(146, 106,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 40.344, 314.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 106, 171) }
```

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

```
.background{ background-color: rgb(146,  
106, 171) }
```

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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