

Converting Colors

CIELCh(51, 45.193, 313.396)

Have a look what the booklet for
CIELCh(51, 45.193, 313.396)
contains.

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Color

CIELCh(51, 45.352, 313.287)

Conversions

Conversions Part 1

Format	Color
Hex	9268B2
RGB	146, 104, 178
RGB Percent	57%, 41%, 70%
CMY	0.4269, 0.5917, 0.3014
CMYK	0.18, 0.42, 0.00, 0.30
HSL	274°, 32%, 55%
HSV	274°, 42%, 70%
XYZ	24.8900, 19.2686, 44.5979
YIQ	124.9940, 1.2780, 31.9180

Conversions

Conversions Part 2

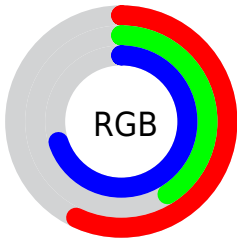
Format	Color
R_{YB}	146, 104, 178
Decimal	9595058
CIE _{Lab}	51.00, 31.10, -33.01
CIE _{LCh}	51, 45.352, 313.287
Yxy	19.2686, 0.2804, 0.2171
Android (android.graphics.Color)	4287785138 (0xFF9268B2)
YUV	124.9940, 26.1320, 18.4223
Hunter-Lab	43.8960, 24.3955, -29.5108

Details

The CIELCh color $51, 45.352, 313.287$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $68, 43.166, 129.491$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 45.259, 313.226$, and $31, 45.130, 313.300$ is the 20% darker color. If you saturate the color by 10%, you get $46, 56.385, 313.735$, and if you desaturate by 10%, it is $56, 34.193, 312.810$.

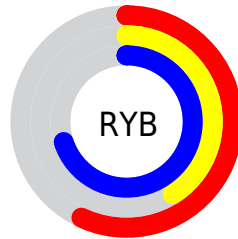
Distribution



Red (57%)

Green (41%)

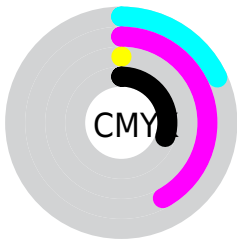
Blue (70%)



Red (57%)

Yellow (41%)

Blue (70%)

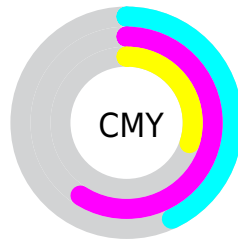


Cyan (18%)

Magenta (42%)

Yellow (0%)

Black (30%)



Cyan (43%)


Magenta (59%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 45.352, 313.287 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, 45.352, 313.287 by changing the saturation by 10% instead.


 51, 45.352,
313.287

 51, 45.352,
313.287


 100, 45.352,
313.287


 41, 45.352,
313.287


 71, 45.352,
313.287

 31, 45.352,
313.287

 81, 45.352,
313.287

 21, 45.352,
313.287

 91, 45.352,
313.287

 11, 45.352,
313.287

 1, 45.352, 313.287

 0, 45.352, 313.287

51, 45.352,
313.287

51, 45.352,
313.287

46, 56.385,
313.735

56, 34.193,
312.810

42, 66.968,
314.109

61, 23.115,
312.333

37, 76.616,
314.343

67, 12.237,
311.873

34, 84.695,
314.352

72, 1.624, 311.379

77, 8.695, 131.084

31, 90.545,
314.041

82, 18.709,
130.724

29, 93.938,
313.574

88, 28.420,
130.407

93, 37.836,
130.126

■ 96, 41.567,
128.165

Harmonies

Complementary

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



51, 45.352, 313.287



68, 43.166, 129.491

Rectangle

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



51, 45.352, 313.287



51, 45.352, 3.287



51, 45.352, 133.287



51, 45.352, 183.287

Sweetspot

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



51, 45.351, 313.287



84, 15.781, 311.903



56, 25.633, 269.503



44, 10.569, 311.961



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



51, 45.351, 313.287



60, 67.813, 313.707



54, 46.936, 328.597



35, 5.995, 311.773



25, 83.881, 313.707



2, 14.010, 307.520

Inverse Universe

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



53, 34.183, 351.945



64, 50.669, 353.405



66, 47.039, 143.069



35, 4.552, 348.227



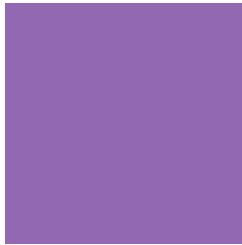
32, 57.669, 7.724



2, 10.237, 353.596

Previews

White Background



This preview shows how the CIELCh color 51, 45.352, 313.287 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, 45.352, 313.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

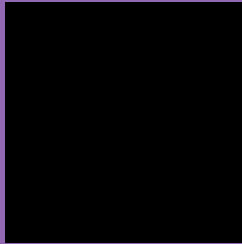
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 45.352, 313.287

Background



This preview shows how black text looks on a background with the CIELCh color 51, 45.352, 313.287.



This preview shows how white text looks on a background with the CIELCh color 51, 45.352, 313.287.

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, 45.352, 313.287

Protanopia

51, 42.125, 285.890

Deuteranopia

51, 31.776, 282.693



Tritanopia
51, 9.980, 349.016

Trichromacy



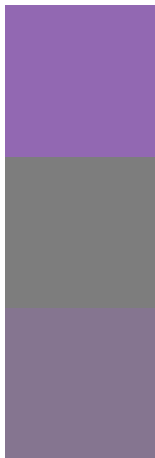
Original Color
51, 45.352, 313.287

Protanomaly
51, 41.988, 295.262

Deuteranomaly
51, 35.629, 295.574

Tritanomaly
51, 21.556, 322.019

Monochromacy



Original Color
51, 45.352, 313.287

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 16.936, 313.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 45.352, 313.287 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, 104, 178)` looks like.

```
.text, #text, p{  
    color:rgb(146, 104, 178)  
}
```

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, 104, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 104, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 45.352, 313.287 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, 104, 178) }
```

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

```
.border{ border-color:rgb(146, 104, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 104, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 104, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 104, 178);  
box-shadow:4px 4px 4px 4px rgb(146, 104,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 45.352, 313.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 104, 178) }
```

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

```
.background{ background-color: rgb(146,  
104, 178) }
```

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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