

Converting Colors

CIELCh(51, 52.416, 308.251)

Have a look what the booklet for
CIELCh(51, 52.416, 308.251)
contains.

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Color

CIELCh(51, 52.429, 308.184)

Conversions

Conversions Part 1

Format	Color
Hex	8B68C0
RGB	139, 104, 192
RGB Percent	55%, 41%, 75%
CMY	0.4540, 0.5913, 0.2461
CMYK	0.28, 0.46, 0.00, 0.25
HSL	264°, 41%, 58%
HSV	264°, 46%, 75%
XYZ	25.1983, 19.2686, 52.3974
YIQ	124.4970, -7.3880, 34.7880

Conversions

Conversions Part 2

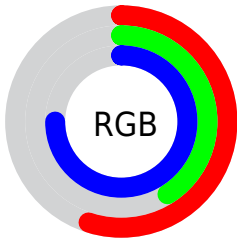
Format	Color
R_{YB}	139, 104, 192
Decimal	9136320
CIE _{Lab}	51.00, 32.41, -41.21
CIE _{LCh}	51, 52.429, 308.184
Yxy	19.2686, 0.2601, 0.1989
Android (android.graphics.Color)	4287326400 (0xFF8B68C0)
YUV	124.4970, 33.2790, 12.7191
Hunter-Lab	43.8960, 25.6491, -40.0455

Details

The CIELCh color $51, 52.429, 308.184$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $74, 48.221, 123.140$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 52.355, 307.991$, and $31, 52.310, 308.110$ is the 20% darker color. If you saturate the color by 10%, you get $45, 64.349, 308.873$, and if you desaturate by 10%, it is $57, 40.502, 307.497$.

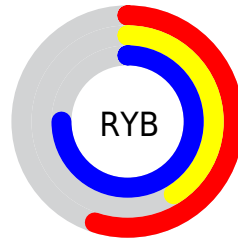
Distribution



Red (55%)

Green (41%)

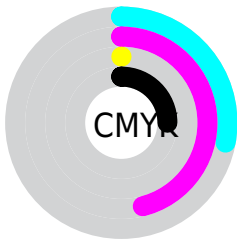
Blue (75%)



Red (55%)

Yellow (41%)

Blue (75%)

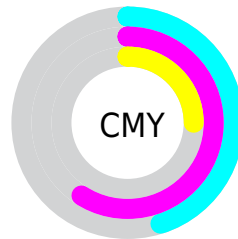


Cyan (28%)

Magenta (46%)

Yellow (0%)

Black (25%)



Cyan (45%)


Magenta (59%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 52.429, 308.184 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, 52.429, 308.184 by changing the saturation by 10% instead.


 51, 52.429,
308.184


 51, 52.429,
308.184


 100, 52.429,
308.184


 41, 52.429,
308.184


 71, 52.429,
308.184

 31, 52.429,
308.184

 81, 52.429,
308.184

 21, 52.429,
308.184

 91, 52.429,
308.184

 11, 52.429,
308.184

 1, 52.429, 308.184

 0, 52.429, 308.184

51, 52.429,
308.184

51, 52.429,
308.184

45, 64.349,
308.873

57, 40.502,
307.497

40, 75.894,
309.502

63, 28.774,
306.844

36, 86.455,
309.978

68, 17.346,
306.243

32, 95.159,
310.169

74, 6.261, 305.695

80, 4.465, 125.246

29, 101.094,
309.936

86, 14.839,
124.811

28, 103.118,
309.798

92, 24.871,
124.440

97, 32.885,
123.065

■ 98, 31.943,
115.649

Harmonies

Complementary

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



51, 52.429, 308.184



74, 48.221, 123.140

Rectangle

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



51, 52.429, 308.184



51, 52.429, 358.184



51, 52.429, 128.184



51, 52.429, 178.184

Sweetspot

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



51, 52.428, 308.184



88, 18.986, 306.154



63, 24.597, 249.082



45, 13.150, 306.278



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



51, 52.428, 308.184



59, 78.505, 308.879



56, 55.852, 323.328



38, 6.207, 305.886



22, 90.133, 309.941



2, 19.922, 301.974

Inverse Universe

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



56, 43.900, 342.586



66, 63.961, 343.803



71, 55.410, 138.275



38, 5.462, 339.193



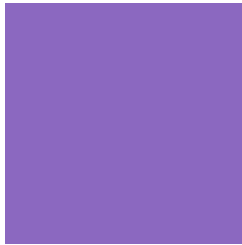
35, 62.038, 352.352



3, 16.894, 346.131

Previews

White Background



This preview shows how the CIELCh color 51, 52.429, 308.184 looks on a white background.

Color Contrast Check

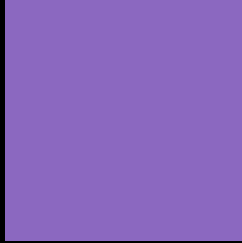
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.429, 308.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

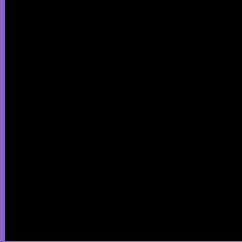
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 52.429, 308.184

Background



This preview shows how black text looks on a background with the CIELCh color 51, 52.429, 308.184.



This preview shows how white text looks on a background with the CIELCh color 51, 52.429, 308.184.

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, 52.429, 308.184

Protanopia

51, 50.805, 286.264

Deuteranopia

51, 40.194, 281.246



Tritanopia
51, 6.163, 321.696

Trichromacy



Original Color
51, 52.429, 308.184

Protanomaly
51, 50.589, 293.353

Deuteranomaly
51, 43.706, 291.993

Tritanomaly
51, 22.605, 308.836

Monochromacy



Original Color
51, 52.429, 308.184

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 19.353, 306.844

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 52.429, 308.184 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(139, 104, 192)` looks like.

```
.text, #text, p{  
    color:rgb(139, 104, 192)  
}
```

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(139, 104, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 104, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 52.429, 308.184 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(139, 104, 192) }
```

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

```
.border{ border-color:rgb(139, 104, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 104, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 104, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 104, 192);  
box-shadow:4px 4px 4px 4px rgb(139, 104,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 52.429, 308.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 104, 192) }
```

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

```
.background{ background-color: rgb(139,  
104, 192) }
```

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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