

Converting Colors

CIELCh(50, 43.390, 310.537)

Have a look what the booklet for
CIELCh(50, 43.390, 310.537)
contains.

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Color

CIELCh(50, 43.140, 310.398)

Conversions

Conversions Part 1

Format	Color
Hex	8A68AF
RGB	138, 104, 175
RGB Percent	54%, 41%, 69%
CMY	0.4586, 0.5919, 0.3135
CMYK	0.21, 0.41, 0.00, 0.31
HSL	269°, 31%, 55%
HSV	269°, 41%, 69%
XYZ	23.1918, 18.4187, 42.9228
YIQ	122.2600, -2.5270, 29.2890

Conversions

Conversions Part 2

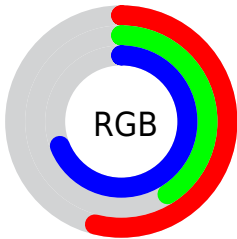
Format	Color
R_{YB}	138, 104, 175
Decimal	9070767
CIE _{Lab}	50.00, 27.96, -32.85
CIE _{LCh}	50, 43.140, 310.398
Yxy	18.4187, 0.2744, 0.2179
Android (android.graphics.Color)	4287260847 (0xFF8A68AF)
YUV	122.2600, 26.0008, 13.8040
Hunter-Lab	42.9170, 21.3546, -29.2562

Details

The CIELCh color $50, 43.140, 310.398$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $68, 40.597, 126.432$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 43.026, 310.452$, and $30, 43.078, 310.317$ is the 20% darker color. If you saturate the color by 10%, you get $45, 54.133, 310.955$, and if you desaturate by 10%, it is $55, 32.162, 309.838$.

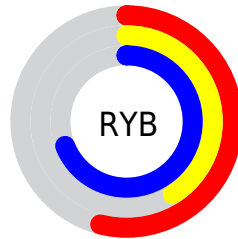
Distribution



Red (54%)

Green (41%)

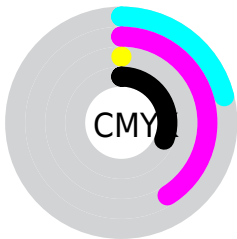
Blue (69%)



Red (54%)

Yellow (41%)

Blue (69%)

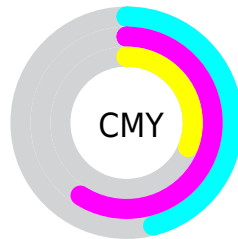


Cyan (21%)

Magenta (41%)

Yellow (0%)

Black (31%)



Cyan (46%)


Magenta (59%)


Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 43.140, 310.398 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 50, 43.140, 310.398 by changing the saturation by 10% instead.


 50, 43.140,
310.398


 50, 43.140,
310.398

 100, 43.140,
310.398


 40, 43.140,
310.398


 70, 43.140,
310.398

 30, 43.140,
310.398


 80, 43.140,
310.398


 20, 43.140,
310.398

 90, 43.140,
310.398

 10, 43.140,
310.398

 0, 43.140, 310.398

 50, 43.140,
310.398

 50, 43.140,
310.398

45, 54.133,
310.955

55, 32.162,
309.838

40, 64.869,
311.464

61, 21.360,
309.300

36, 74.903,
311.856

66, 10.817,
308.797

32, 83.597,
312.035

71, 0.571, 308.176

29, 90.189,
311.884

77, 9.363, 127.955

27, 94.501,
311.472

82, 18.986,
127.588

87, 28.308,
127.267

92, 37.340,
126.988

96, 42.373,
125.245

Harmonies

Complementary

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



50, 43.140, 310.398



68, 40.597, 126.432

Rectangle

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



50, 43.140, 310.398



50, 43.140, 0.398



50, 43.140, 130.398



50, 43.140, 180.398

Sweetspot

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



50, 43.139, 310.398



82, 15.219, 308.877



57, 21.997, 258.480



43, 10.195, 308.940



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



50, 43.139, 310.398



58, 64.775, 310.916



54, 46.940, 325.596



34, 5.745, 308.736



22, 84.412, 311.609



1, 11.791, 305.189

Inverse Universe

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



53, 34.512, 346.408



63, 51.013, 347.622



66, 46.916, 140.671



34, 4.710, 343.236



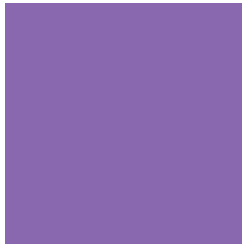
32, 57.506, 359.300



2, 9.250, 347.667

Previews

White Background



This preview shows how the CIELCh color 50, 43.140, 310.398 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 50, 43.140, 310.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

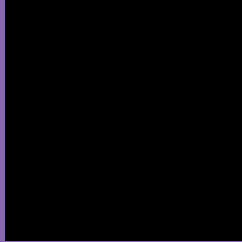
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 43.140, 310.398

Background



This preview shows how black text looks on a background with the CIELCh color 50, 43.140, 310.398.



This preview shows how white text looks on a background with the CIELCh color 50, 43.140, 310.398.

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





Tritanopia
50, 7.727, 337.416

Trichromacy



Original Color
50, 43.140, 310.398

Protanomaly
50, 40.963, 294.365

Deuteranomaly
50, 35.146, 294.547

Tritanomaly
50, 20.452, 315.253

Monochromacy



Original Color
50, 43.140, 310.398

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 16.065, 309.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 43.140, 310.398 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(138, 104, 175)` looks like.

```
.text, #text, p{  
    color:rgb(138, 104, 175)  
}
```

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(138, 104, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 104, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 43.140, 310.398 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(138, 104, 175) }
```

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

```
.border{ border-color:rgb(138, 104, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 104, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 104, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 104, 175); box-shadow:4px 4px 4px 4px rgb(138, 104, 175) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 43.140, 310.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 104, 175) }
```

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

```
.background{ background-color: rgb(138,  
104, 175) }
```

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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