

Converting Colors

CIELCh(50, 15.872, 300.753)

Have a look what the booklet for
CIELCh(50, 15.872, 300.753)
contains.

CIELCh(50, 16.099, 301.516)	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(50, 16.099, 301.516)

Conversions

Conversions Part 1

Format	Color
Hex	7A738E
RGB	122, 115, 142
RGB Percent	48%, 45%, 56%
CMY	0.5208, 0.5482, 0.4423
CMYK	0.14, 0.19, 0.00, 0.44
HSL	256°, 11%, 50%
HSV	256°, 19%, 56%
XYZ	19.1064, 18.4187, 28.2214
YIQ	120.1710, -4.4950, 9.8810

Conversions

Conversions Part 2

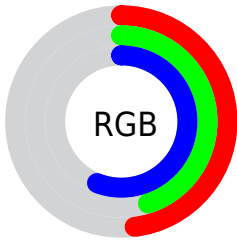
Format	Color
R_{YB}	122, 115, 142
Decimal	8024974
CIE Lab	50.00, 8.42, -13.72
CIE LCh	50, 16.099, 301.516
Yxy	18.4187, 0.2906, 0.2801
Android (android.graphics.Color)	4286215054 (0xFF7A738E)
YUV	120.1710, 10.7617, 1.6040
Hunter-Lab	42.9170, 4.3626, -8.9461

Details

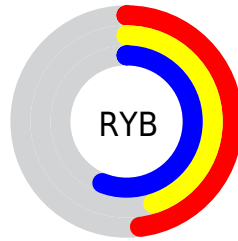
The CIELCh color $50, 16.099, 301.516$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 15.510, 119.128$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 16.213, 301.836$, and $30, 16.273, 301.389$ is the 20% darker color. If you saturate the color by 10%, you get $45, 25.011, 302.309$, and if you desaturate by 10%, it is $55, 7.489, 300.812$.

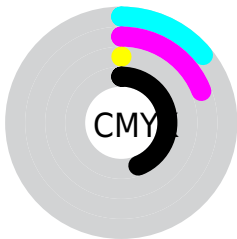
Distribution



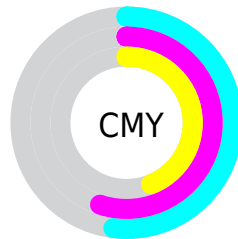
- Red (48%)
- Green (45%)
- Blue (56%)



- Red (48%)
- Yellow (45%)
- Blue (56%)



- Cyan (14%)
- Magenta (19%)
- Yellow (0%)
- Black (44%)





- Cyan (52%)
- Magenta (55%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 16.099, 301.516 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, 16.099, 301.516 by changing the saturation by 10% instead.


 50, 16.099,
301.516


 50, 16.099,
301.516


 100, 16.099,
301.516


 40, 16.099,
301.516


 70, 16.099,
301.516

 30, 16.099,
301.516


 80, 16.099,
301.516


 20, 16.099,
301.516

 90, 16.099,
301.516

 10, 16.099,
301.516

 0, 16.099, 301.516

 50, 16.099,
301.516

 50, 16.099,
301.516

45, 25.011,
302.309

55, 7.489, 300.812

40, 34.214,
303.197

60, 0.817, 120.235

36, 43.651,
304.167

64, 8.833, 119.674

31, 53.188,
305.187

69, 16.574,
119.211

27, 62.547,
306.194

74, 24.055,
118.811

23, 71.218,
307.071

78, 31.293,
118.466

20, 78.407,
307.655

83, 38.302,
118.169

17, 83.860,
307.960

88, 45.098,
117.914

17, 84.427,

92, 51.693,
117.695

Harmonies

Complementary

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



50, 16.099, 301.516



58, 15.510, 119.128

Rectangle

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



50, 16.099, 301.516



50, 16.099, 351.516



50, 16.099, 121.516



50, 16.099, 171.516

Sweetspot

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



50, 16.098, 301.515



71, 6.127, 300.626



55, 8.346, 226.579



37, 4.053, 300.662



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



50, 16.098, 301.515



61, 24.206, 301.859



51, 17.617, 318.081



28, 4.720, 300.825



16, 81.317, 308.051



0, 3.141, 300.260

Inverse Universe

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



52, 15.774, 333.908



64, 23.562, 334.220



57, 17.418, 136.439



28, 4.679, 333.239



30, 59.441, 341.542



1, 3.139, 332.686

Previews

White Background



This preview shows how the CIELCh color 50, 16.099, 301.516 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 16.099, 301.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

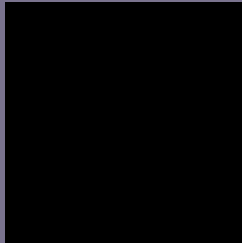
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 16.099, 301.516

Background



This preview shows how black text looks on a background with the CIELCh color 50, 16.099, 301.516.



This preview shows how white text looks on a background with the CIELCh color 50, 16.099, 301.516.

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

50, 16.099, 301.516

Protanopia

50, 15.280, 285.301

Deuteranopia

50, 15.308, 296.295



Tritanopia
50, 5.341, 299.301

Trichromacy



Original Color
50, 16.099, 301.516

Protanomaly
50, 15.228, 290.753

Deuteranomaly
50, 15.343, 297.681

Tritanomaly
50, 9.525, 300.673

Monochromacy



Original Color
50, 16.099, 301.516

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 5.989, 302.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 16.099, 301.516 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(122, 115, 142)` looks like.

```
.text, #text, p{  
    color:rgb(122, 115, 142)  
}
```

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(122, 115, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 115, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 16.099, 301.516 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(122, 115, 142) }
```

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

```
.border{ border-color:rgb(122, 115, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 115, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 115, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 115, 142);  
box-shadow:4px 4px 4px 4px rgb(122, 115,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 16.099, 301.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 115, 142) }
```

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

```
.background{ background-color: rgb(122,  
115, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor