

Converting Colors

CIELCh(51, 33.005, 339.565)

Have a look what the booklet for
CIELCh(51, 33.005, 339.565)
contains.

CIELCh(51, 33.005, 339.565)	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, 33.005, 339.565)

Conversions

Conversions Part 1

Format	Color
Hex	A4668E
RGB	164, 102, 142
RGB Percent	64%, 40%, 56%
CMY	0.3578, 0.6009, 0.4441
CMYK	0.00, 0.38, 0.13, 0.36
HSL	321°, 25%, 52%
HSV	321°, 38%, 64%
XYZ	24.8509, 19.2686, 27.9061
YIQ	125.0980, 24.1120, 25.5840

Conversions

Conversions Part 2

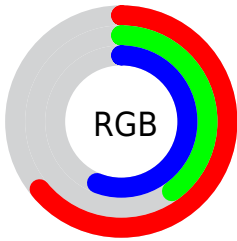
Format	Color
RYB	164, 102, 142
Decimal	10774158
CIELab	51.00, 30.93, -11.52
CIELCh	51, 33.005, 339.565
Yxy	19.2686, 0.3450, 0.2675
Android (android.graphics.Color)	4288964238 (0xFFA4668E)
YUV	125.0980, 8.3327, 34.1171
Hunter-Lab	43.8960, 24.2363, -6.9653

Details

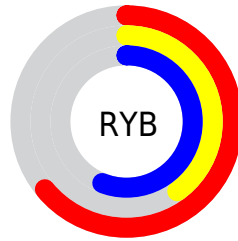
The CIELCh color **51, 33.005, 339.565** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **62, 32.421, 153.293**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 33.156, 339.337**, and **31, 33.193, 339.451** is the 20% darker color. If you saturate the color by 10%, you get **47, 41.260, 340.538**, and if you desaturate by 10%, it is **55, 24.348, 338.684**.

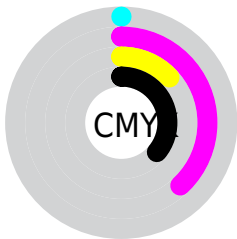
Distribution



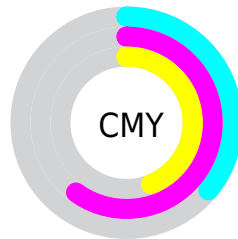
- Red (64%)
- Green (40%)
- Blue (56%)



- Red (64%)
- Yellow (40%)
- Blue (56%)



- Cyan (0%)
- Magenta (38%)
- Yellow (13%)
- Black (36%)





- Cyan (36%)
- Magenta (60%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 33.005, 339.565 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, 33.005, 339.565 by changing the saturation by 10% instead.


 51, 33.005,
339.565


 51, 33.005,
339.565


 100, 33.005,
339.565


 41, 33.005,
339.565


 71, 33.005,
339.565

 31, 33.005,
339.565

 81, 33.005,
339.565

 21, 33.005,
339.565

 91, 33.005,
339.565

 11, 33.005,
339.565

 1, 33.005, 339.565

 0, 33.005, 339.565

51, 33.005,
339.565

51, 33.005,
339.565

47, 41.260,
340.538

55, 24.348,
338.684

44, 48.780,
341.630

59, 15.551,
337.869

41, 55.153,
342.889

64, 6.788, 337.096

68, 1.831, 156.613

39, 59.963,
344.379

73, 10.240,
155.824

37, 62.902,
346.189


77, 18.406,
155.201

36, 64.068,
348.377

82, 26.316,
154.624

36, 64.266,
348.863

87, 33.972,
154.085

 92, 41.382,
153.579

Harmonies

Complementary

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



51, 33.005, 339.565



62, 32.421, 153.293

Rectangle

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



51, 33.005, 339.565



51, 33.005, 29.565



51, 33.005, 159.565



51, 33.005, 209.565

Sweetspot

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



51, 33.003, 339.566



79, 11.755, 337.354



47, 37.492, 306.057



41, 7.970, 337.453



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



51, 33.003, 339.566



61, 47.965, 340.332



50, 26.720, 11.511



32, 4.884, 337.206



31, 59.001, 348.584



1, 7.235, 339.209

Inverse Universe

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



51, 33.003, 339.566



61, 47.965, 340.332



63, 22.244, 183.866



32, 4.884, 337.206



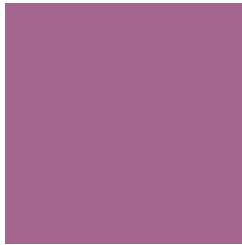
31, 59.001, 348.584



1, 7.235, 339.209

Previews

White Background



This preview shows how the CIELCh color 51, 33.005, 339.565 looks on a white background.

Color Contrast Check

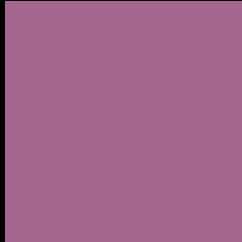
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.005, 339.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

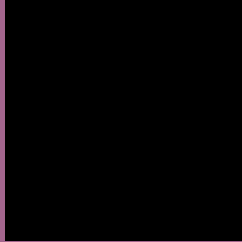
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 33.005, 339.565

Background



This preview shows how black text looks on a background with the CIELCh color 51, 33.005, 339.565.



This preview shows how white text looks on a background with the CIELCh color 51, 33.005, 339.565.

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, 33.005, 339.565

Protanopia

51, 19.918, 284.584

Deuteranopia

51, 12.012, 304.445



Tritanopia
51, 23.125, 10.965

Trichromacy



Original Color
51, 33.005, 339.565

Protanomaly
51, 22.052, 309.240

Deuteranomaly
51, 18.925, 325.454

Tritanomaly
51, 25.777, 356.387

Monochromacy



Original Color
51, 33.005, 339.565

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 11.971, 338.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 33.005, 339.565 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(164, 102, 142)` looks like.

```
.text, #text, p{  
    color:rgb(164, 102, 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(164, 102, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 102, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 33.005, 339.565 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(164, 102, 142) }
```

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

```
.border{ border-color:rgb(164, 102, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 102, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 102, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 102, 142);  
box-shadow:4px 4px 4px 4px rgb(164, 102,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 33.005, 339.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 102, 142) }
```

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

```
.background{ background-color: rgb(164,  
102, 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