

Converting Colors

CIELCh(51, 47.028, 323.354)

Have a look what the booklet for
CIELCh(51, 47.028, 323.354)
contains.

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Color

CIELCh(51, 46.987, 323.344)

Conversions

Conversions Part 1

Format	Color
Hex	A262AA
RGB	162, 98, 170
RGB Percent	64%, 38%, 67%
CMY	0.3653, 0.6163, 0.3340
CMYK	0.05, 0.42, 0.00, 0.33
HSL	293°, 30%, 52%
HSV	293°, 42%, 67%
XYZ	26.4624, 19.2686, 40.2765
YIQ	125.3440, 15.0320, 35.9600

Conversions

Conversions Part 2

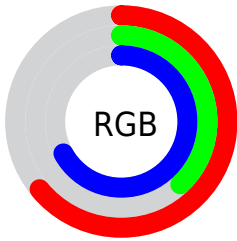
Format	Color
R _Y B	162, 98, 170
Decimal	10642090
CIE Lab	51.00, 37.69, -28.05
CIE LCh	51, 46.987, 323.344
Yxy	19.2686, 0.3077, 0.2240
Android (android.graphics.Color)	4288832170 (0xFFA262AA)
YUV	125.3440, 22.0154, 32.1473
Hunter-Lab	43.8960, 30.7893, -23.6739




Details

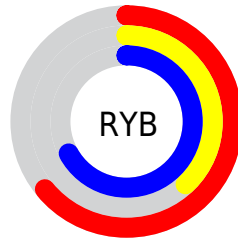
The CIELCh color $51, 46.987, 323.344$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $64, 46.634, 138.714$, and the grayscale version is $52, 0.007, 296.813$.




A 20% lighter version of the original color is $71, 47.337, 323.174$, and $31, 47.521, 323.340$ is the 20% darker color. If you saturate the color by 10%, you get $47, 57.268, 323.721$, and if you desaturate by 10%, it is $55, 36.104, 322.913$.

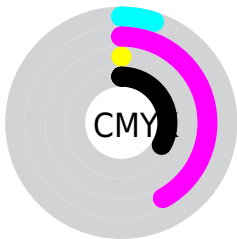
Distribution







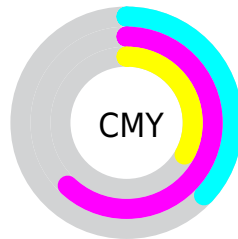
-  Red (64%)
-  Green (38%)
-  Blue (67%)






-  Red (64%)
-  Yellow (38%)
-  Blue (67%)



-  Cyan (5%)
-  Magenta (42%)
-  Yellow (0%)
-  Black (33%)





-  Cyan (37%)
-  Magenta (62%)
-  Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 46.987, 323.344 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, 46.987, 323.344 by changing the saturation by 10% instead.


 51, 46.987,
323.344

 51, 46.987,
323.344


 100, 46.987,
323.344

 41, 46.987,
323.344


 71, 46.987,
323.344

 31, 46.987,
323.344

 81, 46.987,
323.344

 21, 46.987,
323.344

 91, 46.987,
323.344

 11, 46.987,
323.344

 1, 46.987, 323.344

 0, 46.987, 323.344

51, 46.987,
323.344

51, 46.987,
323.344

47, 57.268,
323.721

55, 36.104,
322.913

44, 66.547,
324.016

59, 24.943,
322.449

41, 74.366,
324.200

64, 13.732,
321.969

39, 80.297,
324.244

68, 2.628, 321.433

38, 84.073,
324.128


73, 8.270, 141.075

37, 85.895,
323.961

78, 18.903,
140.619

83, 29.241,
140.195

87, 39.272,
139.799

 92, 48.997,
139.430

Harmonies

Complementary

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



51, 46.987, 323.344



64, 46.634, 138.714

Rectangle

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



51, 46.987, 323.344



51, 46.987, 13.344



51, 46.987, 143.344



51, 46.987, 193.344

Sweetspot

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



51, 46.985, 323.344



81, 17.923, 322.010



47, 37.653, 291.126



42, 12.659, 322.115



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 46.985, 323.344



61, 69.346, 323.705



51, 37.239, 341.428



33, 6.215, 321.817



32, 77.582, 324.008



2, 11.133, 320.257

Inverse Universe

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



50, 31.145, 15.278



60, 47.421, 17.226



64, 36.398, 153.966



33, 3.758, 10.946



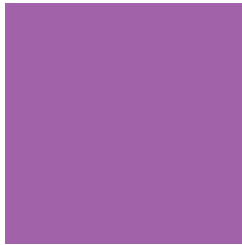
30, 64.988, 34.390



1, 6.648, 11.499

Previews

White Background



This preview shows how the CIELCh color 51, 46.987, 323.344 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, 46.987, 323.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

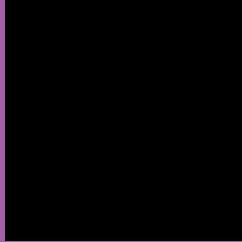
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 46.987, 323.344

Background



This preview shows how black text looks on a background with the CIELCh color 51, 46.987, 323.344.



This preview shows how white text looks on a background with the CIELCh color 51, 46.987, 323.344.

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, 46.987, 323.344

Protanopia

51, 39.793, 285.259

Deuteranopia

51, 26.921, 285.723



Tritanopia
51, 19.801, 6.778

Trichromacy



Original Color
51, 46.987, 323.344

Protanomaly
51, 40.470, 299.122

Deuteranomaly
51, 32.730, 303.737

Tritanomaly
51, 27.421, 340.565

Monochromacy



Original Color
51, 46.987, 323.344

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 17.600, 322.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 46.987, 323.344 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(162, 98, 170)` looks like.

```
.text, #text, p{  
    color:rgb(162, 98, 170)  
}
```

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(162, 98, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 98, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 46.987, 323.344 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(162, 98, 170) }
```

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

```
.border{ border-color:rgb(162, 98, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 98, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 98, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 98, 170);  
box-shadow:4px 4px 4px 4px rgb(162, 98,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 46.987, 323.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 98, 170) }
```

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

```
.background{ background-color: rgb(162, 98,  
170) }
```

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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