

Converting Colors

CIELCh(51, 46.999, 326.644)

Have a look what the booklet for
CIELCh(51, 46.999, 326.644)
contains.

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Color

CIELCh(51, 46.999, 326.644)

Conversions

Conversions Part 1

Format	Color
Hex	A660A6
RGB	166, 96, 166
RGB Percent	65%, 38%, 65%
CMY	0.3485, 0.6230, 0.3485
CMYK	0.00, 0.42, 0.00, 0.35
HSL	300°, 28%, 51%
HSV	300°, 42%, 65%
XYZ	26.8441, 19.2686, 38.4452
YIQ	124.9100, 19.2500, 36.6100

Conversions

Conversions Part 2

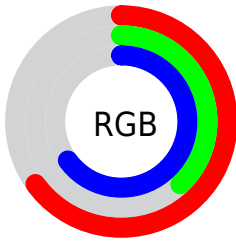
Format	Color
R_{YB}	166, 96, 166
Decimal	10903718
CIE _{Lab}	51.00, 39.26, -25.84
CIE _{LCh}	51, 46.999, 326.644
Yxy	19.2686, 0.3175, 0.2279
Android (android.graphics.Color)	4289093798 (0xFFA660A6)
YUV	124.9100, 20.2574, 36.0359
Hunter-Lab	43.8960, 32.3414, -21.2004

Details

The CIELCh color $51, 46.999, 326.644$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 47.110, 141.262$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 47.040, 326.618$, and $31, 47.055, 326.411$ is the 20% darker color. If you saturate the color by 10%, you get $48, 57.067, 327.095$, and if you desaturate by 10%, it is $55, 36.192, 326.148$.

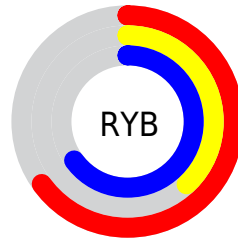
Distribution



Red (65%)

Green (38%)

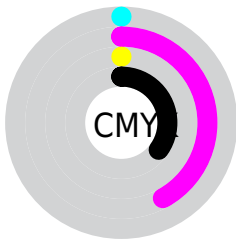
Blue (65%)



Red (65%)

Yellow (38%)

Blue (65%)

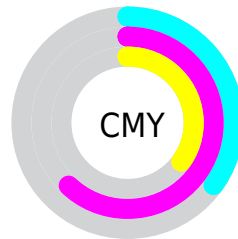


Cyan (0%)

Magenta (42%)

Yellow (0%)

Black (35%)



Cyan (35%)


Magenta (62%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 46.999, 326.644 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, 46.999, 326.644 by changing the saturation by 10% instead.


 51, 46.999,
326.644

 51, 46.999,
326.644


 100, 46.999,
326.644

 41, 46.999,
326.644


 71, 46.999,
326.644

 31, 46.999,
326.644

 81, 46.999,
326.644

 21, 46.999,
326.644

 91, 46.999,
326.644

 11, 46.999,
326.644

 1, 46.999, 326.644

 0, 46.999, 326.644

51, 46.999,
326.644

51, 46.999,
326.644

48, 57.067,
327.095

55, 36.192,
326.148

45, 65.995,
327.485

59, 24.993,
325.623

43, 73.363,
327.799

63, 13.666,
325.080

41, 78.824,
328.027

67, 2.396, 324.464

72, 8.689, 144.054


40, 82.219,
328.167

76, 19.513,
143.525

39, 83.853,
328.234

81, 30.032,
143.027

85, 40.227,
142.555

 90, 50.093,
142.109

Harmonies

Complementary

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



51, 46.999, 326.644



62, 47.110, 141.262

Rectangle

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



51, 46.999, 326.644



51, 46.999, 16.644



51, 46.999, 146.644



51, 46.999, 196.644

Sweetspot

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



51, 46.997, 326.644



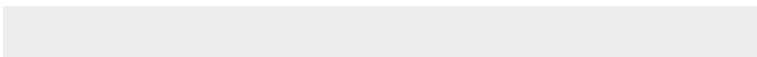
80, 18.182, 325.140



44, 41.963, 295.812



41, 12.836, 325.258



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



51, 46.997, 326.644



62, 69.340, 327.087



50, 33.924, 347.819



33, 6.429, 324.921



35, 76.991, 328.234



2, 11.672, 324.440

Inverse Universe

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



51, 46.997, 326.644



62, 69.340, 327.087



63, 32.316, 159.518



33, 6.429, 324.921



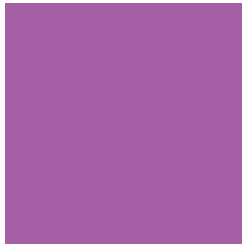
35, 76.991, 328.234



2, 11.672, 324.440

Previews

White Background



This preview shows how the CIELCh color 51, 46.999, 326.644 looks on a white background.

Color Contrast Check

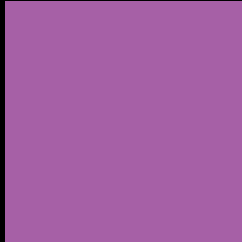
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.999, 326.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

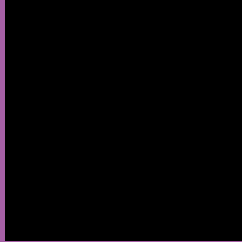
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 46.999, 326.644

Background



This preview shows how black text looks on a background with the CIELCh color 51, 46.999, 326.644.

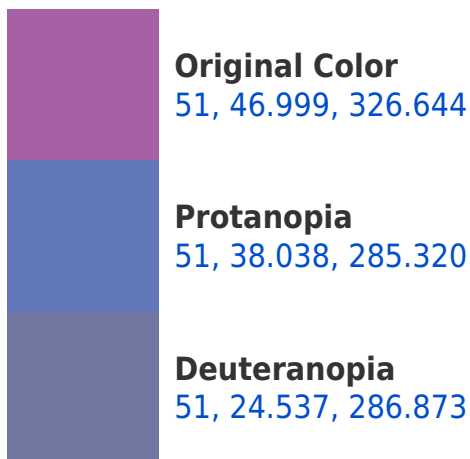


This preview shows how white text looks on a background with the CIELCh color 51, 46.999, 326.644.

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
51, 22.706, 10.686

Trichromacy



Original Color
51, 46.999, 326.644

Protanomaly
50, 39.452, 300.584

Deuteranomaly
51, 31.960, 307.187

Tritanomaly
51, 29.212, 345.651

Monochromacy



Original Color
51, 46.999, 326.644

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 17.518, 325.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 46.999, 326.644 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(166, 96, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 96, 166)  
}
```

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(166, 96, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 96, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 46.999, 326.644 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(166, 96, 166) }
```

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

```
.border{ border-color:rgb(166, 96, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 96, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 96, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 96, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 96,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 46.999, 326.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 96, 166) }
```

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

```
.background{ background-color: rgb(166, 96,  
166) }
```

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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