

Converting Colors

CIELCh(51, 31.582, 322.153)

Have a look what the booklet for
CIELCh(51, 31.582, 322.153)
contains.

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Color

CIELCh(51, 31.782, 321.799)

Conversions

Conversions Part 1

Format	Color
Hex	946B9B
RGB	148, 107, 155
RGB Percent	58%, 42%, 61%
CMY	0.4185, 0.5793, 0.3911
CMYK	0.05, 0.31, 0.00, 0.39
HSL	291°, 19%, 51%
HSV	291°, 31%, 61%
XYZ	23.4886, 19.2686, 33.6147
YIQ	124.7310, 9.0280, 23.6200

Conversions

Conversions Part 2

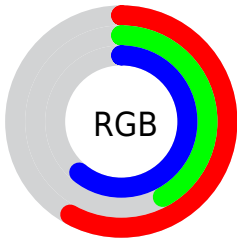
Format	Color
R_{YB}	148, 107, 155
Decimal	9726875
CIE _{Lab}	51.00, 24.98, -19.65
CIE _{LCh}	51, 31.782, 321.799
Yxy	19.2686, 0.3076, 0.2523
Android (android.graphics.Color)	4287916955 (0xFF946B9B)
YUV	124.7310, 14.9226, 20.4069
Hunter-Lab	43.8960, 18.6968, -14.6759

Details

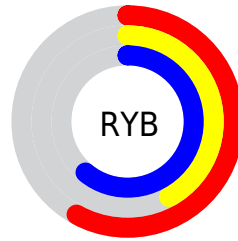
The CIELCh color $51, 31.782, 321.799$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $60, 31.485, 138.695$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 31.962, 321.781$, and $31, 31.699, 321.268$ is the 20% darker color. If you saturate the color by 10%, you get $47, 41.926, 322.221$, and if you desaturate by 10%, it is $55, 21.452, 321.349$.

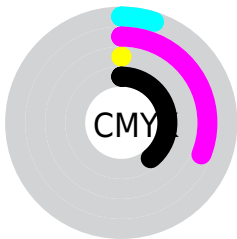
Distribution



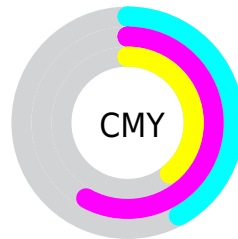
- Red (58%)
- Green (42%)
- Blue (61%)



- Red (58%)
- Yellow (42%)
- Blue (61%)



- Cyan (5%)
- Magenta (31%)
- Yellow (0%)
- Black (39%)





- Cyan (42%)
- Magenta (58%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 31.782, 321.799 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, 31.782, 321.799 by changing the saturation by 10% instead.


 51, 31.782,
321.799


 51, 31.782,
321.799


 100, 31.782,
321.799


 41, 31.782,
321.799


 71, 31.782,
321.799

 31, 31.782,
321.799

 81, 31.782,
321.799

 21, 31.782,
321.799

 91, 31.782,
321.799

 11, 31.782,
321.799

 1, 31.782, 321.799

 0, 31.782, 321.799

51, 31.782,
321.799

51, 31.782,
321.799

47, 41.926,
322.221

55, 21.452,
321.349

43, 51.622,
322.593

59, 11.129,
320.884

40, 60.519,
322.887

64, 0.936, 320.252

37, 68.198,
323.068

68, 9.052, 140.032

35, 74.234,
323.103

73, 18.790,
139.604

34, 78.312,
322.964

77, 28.256,
139.207

33, 80.704,
322.722

81, 37.444,
138.837

86, 46.356,
138.495

■ 90, 54.999,
138.180

Harmonies

Complementary

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



51, 31.782, 321.799



60, 31.485, 138.695

Rectangle

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



51, 31.782, 321.799



51, 31.782, 11.799



51, 31.782, 141.799



51, 31.782, 191.799

Sweetspot

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



51, 31.780, 321.799



76, 11.325, 320.802



49, 24.026, 287.379



40, 7.940, 320.867



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



51, 31.780, 321.799



62, 46.946, 322.090



51, 25.968, 338.712



30, 5.684, 320.804



29, 74.908, 322.768



1, 6.077, 320.032

Inverse Universe

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



50, 20.560, 10.749



61, 30.896, 11.785



60, 25.571, 153.842



30, 3.498, 8.200



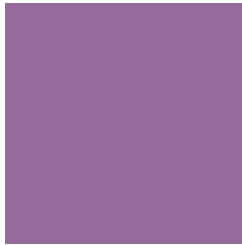
29, 60.979, 31.992



1, 3.683, 7.662

Previews

White Background



This preview shows how the CIELCh color 51, 31.782, 321.799 looks on a white background.

Color Contrast Check

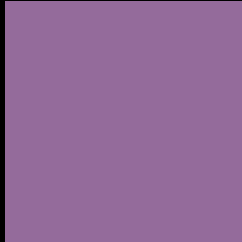
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 31.782, 321.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

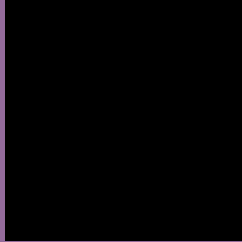
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 31.782, 321.799

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.782, 321.799.



This preview shows how white text looks on a background with the CIELCh color 51, 31.782, 321.799.

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, 31.782, 321.799

Protanopia

51, 26.350, 285.455

Deuteranopia

51, 19.838, 290.621



Tritanopia
51, 13.130, 0.377

Trichromacy



Original Color
51, 31.782, 321.799

Protanomaly
51, 27.103, 299.402

Deuteranomaly
51, 23.358, 304.577

Tritanomaly
51, 18.544, 338.203

Monochromacy



Original Color
51, 31.782, 321.799

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 11.344, 320.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.782, 321.799 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(148, 107, 155)` looks like.

```
.text, #text, p{  
    color:rgb(148, 107, 155)  
}
```

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(148, 107, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 107, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.782, 321.799 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(148, 107, 155) }
```

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

```
.border{ border-color:rgb(148, 107, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 107, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 107, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 107, 155);  
box-shadow:4px 4px 4px 4px rgb(148, 107,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.782, 321.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 107, 155) }
```

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

```
.background{ background-color: rgb(148,  
107, 155) }
```

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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