

Converting Colors

CIELCh(51, 29.451, 351.306)

Have a look what the booklet for
CIELCh(51, 29.451, 351.306)
contains.

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Color

CIELCh(51, 29.098, 351.166)

Conversions

Conversions Part 1

Format	Color
Hex	A56782
RGB	165, 103, 130
RGB Percent	65%, 40%, 51%
CMY	0.3535, 0.5966, 0.4907
CMYK	0.00, 0.38, 0.21, 0.35
HSL	334°, 26%, 52%
HSV	334°, 38%, 65%
XYZ	24.3471, 19.2686, 23.5104
YIQ	124.6160, 28.2850, 21.5410

Conversions

Conversions Part 2

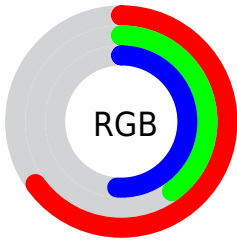
Format	Color
R_{YB}	165, 103, 130
Decimal	10839938
CIE _{Lab}	51.00, 28.75, -4.47
CIE _{LCh}	51, 29.098, 351.166
Yxy	19.2686, 0.3627, 0.2871
Android (android.graphics.Color)	4289030018 (0xFFA56782)
YUV	124.6160, 2.6543, 35.4168
Hunter-Lab	43.8960, 22.1878, -1.0281

Details

The CIELCh color **51, 29.098, 351.166** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **63, 27.355, 163.585**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 29.086, 350.969**, and **31, 29.444, 351.044** is the 20% darker color. If you saturate the color by 10%, you get **47, 36.708, 352.616**, and if you desaturate by 10%, it is **55, 21.264, 349.932**.

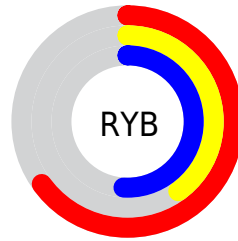
Distribution



Red (65%)

Green (40%)

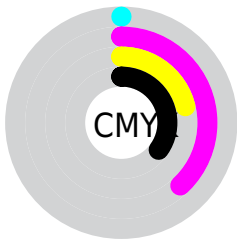
Blue (51%)



Red (65%)

Yellow (40%)

Blue (51%)

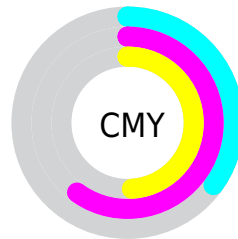


Cyan (0%)

Magenta (38%)

Yellow (21%)

Black (35%)



Cyan (35%)


Magenta (60%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 29.098, 351.166 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, 29.098, 351.166 by changing the saturation by 10% instead.


 51, 29.098,
351.166


 51, 29.098,
351.166


 100, 29.098,
351.166


 41, 29.098,
351.166


 71, 29.098,
351.166

 31, 29.098,
351.166

 81, 29.098,
351.166

 21, 29.098,
351.166

 91, 29.098,
351.166

 11, 29.098,
351.166

 1, 29.098, 351.166

 0, 29.098, 351.166

51, 29.098,
351.166

51, 29.098,
351.166

47, 36.708,
352.616

55, 21.264,
349.932

44, 43.802,
354.355

60, 13.426,
348.851

40, 50.009,
356.493

64, 5.720, 347.868

69, 1.773, 167.296

38, 54.956,
359.173

74, 9.012, 166.361

36, 58.385, 2.562


78, 15.983,
165.644

35, 60.442, 6.730

83, 22.687,
164.996

35, 60.924, 7.754

88, 29.137,
164.401

 93, 35.347,
163.851

Harmonies

Complementary

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



51, 29.098, 351.166



63, 27.355, 163.585

Rectangle

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



51, 29.098, 351.166



51, 29.098, 41.166



51, 29.098, 171.166



51, 29.098, 221.166

Sweetspot

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



51, 29.096, 351.168



79, 10.300, 348.218



49, 38.335, 312.522



41, 6.920, 348.341



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, 29.096, 351.168



61, 43.002, 352.341



51, 25.883, 26.447



32, 4.234, 348.030



30, 55.537, 7.188



1, 6.336, 349.750

Inverse Universe

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



51, 29.096, 351.168



61, 43.002, 352.341



63, 19.826, 202.794



32, 4.234, 348.030



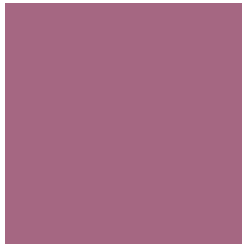
30, 55.537, 7.188



1, 6.336, 349.750

Previews

White Background



This preview shows how the CIELCh color 51, 29.098, 351.166 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, 29.098, 351.166 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, 29.098, 351.166

Background



This preview shows how black text looks on a background with the CIELCh color 51, 29.098, 351.166.



This preview shows how white text looks on a background with the CIELCh color 51, 29.098, 351.166.

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, 29.098, 351.166

Protanopia

51, 11.686, 286.175

Deuteranopia

51, 7.407, 335.222



Tritanopia
51, 24.424, 11.784

Trichromacy



Original Color
51, 29.098, 351.166

Protanomaly
51, 15.765, 322.869

Deuteranomaly
51, 14.876, 345.431

Tritanomaly
51, 25.772, 3.374

Monochromacy



Original Color
51, 29.098, 351.166

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 10.959, 348.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 29.098, 351.166 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(165, 103, 130)` looks like.

```
.text, #text, p{  
    color:rgb(165, 103, 130)  
}
```

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(165, 103, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 103, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 29.098, 351.166 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(165, 103, 130) }
```

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

```
.border{ border-color:rgb(165, 103, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 103, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 103, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 103, 130);  
box-shadow:4px 4px 4px 4px rgb(165, 103,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 29.098, 351.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 103, 130) }
```

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

```
.background{ background-color: rgb(165,  
103, 130) }
```

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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