

Converting Colors

CIELCh(49, 30.106, 327.775)

Have a look what the booklet for
CIELCh(49, 30.106, 327.775)
contains.

CIELCh(49, 29.855, 327.970)	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(49, 29.855, 327.970)

Conversions

Conversions Part 1

Format	Color
Hex	936690
RGB	147, 102, 144
RGB Percent	58%, 40%, 56%
CMY	0.4251, 0.6015, 0.4369
CMYK	0.00, 0.31, 0.02, 0.43
HSL	304°, 18%, 49%
HSV	304°, 31%, 57%
XYZ	21.6764, 17.5941, 28.4782
YIQ	120.2430, 13.3380, 22.6020

Conversions

Conversions Part 2

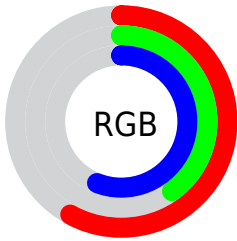
Format	Color
R_{YB}	147, 102, 144
Decimal	9660048
CIE _{Lab}	49.00, 25.31, -15.83
CIE _{LCh}	49, 29.855, 327.970
Yxy	17.5941, 0.3200, 0.2597
Android (android.graphics.Color)	4287850128 (0xFF936690)
YUV	120.2430, 11.7122, 23.4659
Hunter-Lab	41.9453, 18.8408, -10.8924

Details

The CIELCh color $49, 29.855, 327.970$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $57, 29.842, 144.155$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 29.728, 328.126$, and $29, 29.998, 327.274$ is the 20% darker color. If you saturate the color by 10%, you get $46, 39.276, 328.513$, and if you desaturate by 10%, it is $53, 20.146, 327.414$.

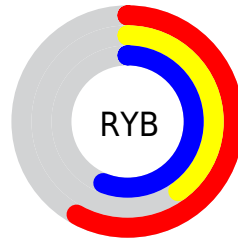
Distribution



Red (58%)

Green (40%)

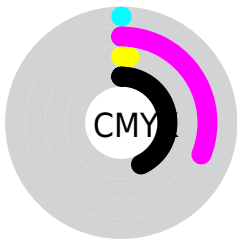
Blue (56%)



Red (58%)

Yellow (40%)

Blue (56%)

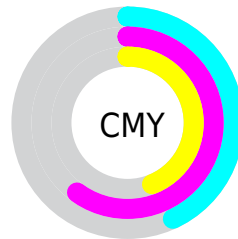


Cyan (0%)

Magenta (31%)

Yellow (2%)

Black (43%)



Cyan (43%)


Magenta (60%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 29.855, 327.970 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 49, 29.855, 327.970 by changing the saturation by 10% instead.


 49, 29.855,
327.970


 49, 29.855,
327.970


 100, 29.855,
327.970


 39, 29.855,
327.970

 69, 29.855,
327.970


 29, 29.855,
327.970

 79, 29.855,
327.970

 19, 29.855,
327.970

 89, 29.855,
327.970

 9, 29.855, 327.970

 99, 29.855,
327.970

 0, 29.855, 327.970

 49, 29.855,

 49, 29.855,

327.970

327.970

46, 39.276,
328.513

53, 20.146,
327.414

42, 48.131,
329.033

57, 10.365,
326.848

40, 56.071,
329.518

61, 0.660, 325.991

37, 62.720,
329.962

65, 8.874, 145.809

36, 67.737,
330.359

69, 18.177,
145.279

35, 70.918,
330.713

73, 27.220,
144.779

34, 72.672,
331.016

77, 35.988,
144.305

81, 44.483,
143.858

■ 86, 52.711,
143.436

Harmonies

Complementary

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



49, 29.855, 327.970



57, 29.842, 144.155

Rectangle

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



49, 29.855, 327.970



49, 29.855, 17.970



49, 29.855, 147.970



49, 29.855, 197.970

Sweetspot

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



49, 29.853, 327.970



73, 10.842, 326.762



45, 26.923, 295.483



38, 7.600, 326.840



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 29.853, 327.970



60, 44.512, 328.357



48, 21.689, 349.370



29, 5.518, 326.764



32, 69.455, 330.999



1, 4.799, 326.279

Inverse Universe

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



49, 29.853, 327.970



60, 44.512, 328.357



57, 20.693, 163.589



29, 5.518, 326.764



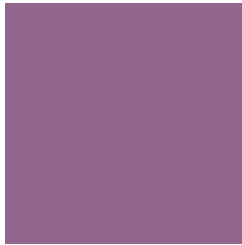
32, 69.455, 330.999



1, 4.799, 326.279

Previews

White Background



This preview shows how the CIELCh color 49, 29.855, 327.970 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 29.855, 327.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

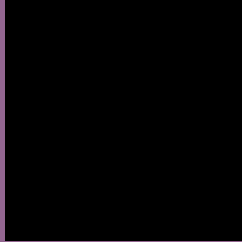
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.855, 327.970

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.855, 327.970.



This preview shows how white text looks on a background with the CIELCh color 49, 29.855, 327.970.

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

49, 29.855, 327.970

Protanopia

49, 22.439, 285.126

Deuteranopia

49, 15.913, 294.896



Tritanopia
49, 15.675, 4.162

Trichromacy



Original Color
49, 29.855, 327.970

Protanomaly
49, 23.975, 302.667

Deuteranomaly
49, 20.661, 311.657

Tritanomaly
49, 19.549, 345.323

Monochromacy



Original Color
49, 29.855, 327.970

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 11.579, 326.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.855, 327.970 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(147, 102, 144)` looks like.

```
.text, #text, p{  
    color:rgb(147, 102, 144)  
}
```

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(147, 102, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 102, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.855, 327.970 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(147, 102, 144) }
```

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

```
.border{ border-color:rgb(147, 102, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 102, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 102, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 102, 144);  
box-shadow:4px 4px 4px 4px rgb(147, 102,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.855, 327.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 102, 144) }
```

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

```
.background{ background-color: rgb(147,  
102, 144) }
```

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