

Converting Colors

CIELCh(49, 29.257, 318.557)

Have a look what the booklet for
CIELCh(49, 29.257, 318.557)
contains.

CIELCh(49, 29.331, 318.738)	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, 29.331, 318.738)

Conversions

Conversions Part 1

Format	Color
Hex	8A6895
RGB	138, 104, 149
RGB Percent	54%, 41%, 58%
CMY	0.4573, 0.5907, 0.4141
CMYK	0.07, 0.30, 0.00, 0.41
HSL	285°, 18%, 50%
HSV	285°, 30%, 59%
XYZ	20.9894, 17.5941, 30.8876
YIQ	119.2960, 5.8190, 21.2030

Conversions

Conversions Part 2

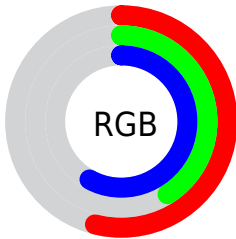
Format	Color
R _Y B	138, 104, 149
Decimal	9070741
CIE Lab	49.00, 22.05, -19.34
CIE LCh	49, 29.331, 318.738
Yxy	17.5941, 0.3021, 0.2533
Android (android.graphics.Color)	4287260821 (0xFF8A6895)
YUV	119.2960, 14.6441, 16.4034
Hunter-Lab	41.9453, 15.9172, -14.2981

Details

The CIELCh color $49, 29.331, 318.738$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $58, 28.834, 135.998$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 28.914, 318.783$, and $29, 29.439, 318.633$ is the 20% darker color. If you saturate the color by 10%, you get $45, 39.100, 319.146$, and if you desaturate by 10%, it is $53, 19.491, 318.309$.

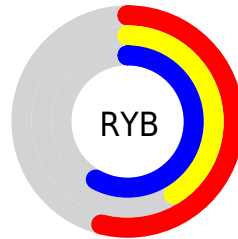
Distribution



Red (54%)

Green (41%)

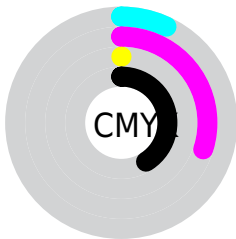
Blue (58%)



Red (54%)

Yellow (41%)

Blue (58%)

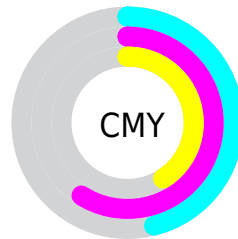


Cyan (7%)

Magenta (30%)

Yellow (0%)

Black (41%)



Cyan (46%)

Magenta (59%)

Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.331, 318.738 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, 29.331, 318.738 by changing the saturation by 10% instead.


 49, 29.331,
318.738


 49, 29.331,
318.738

 100, 29.331,
318.738

 39, 29.331,
318.738

 69, 29.331,
318.738


 29, 29.331,
318.738

 79, 29.331,
318.738

 19, 29.331,
318.738

 89, 29.331,
318.738

 9, 29.331, 318.738

 99, 29.331,
318.738

 0, 29.331, 318.738

 49, 29.331,

 49, 29.331,

318.738

45, 39.100,
319.146

41, 48.587,
319.509

38, 57.482,
319.793

35, 65.387,
319.955

32, 71.849,
319.944

30, 76.462,
319.713

29, 79.533,
319.315

318.738

53, 19.491,
318.309

57, 9.730, 317.874

62, 0.136, 316.310

66, 9.239, 137.096

71, 18.367,
136.715

75, 27.238,
136.368

79, 35.850,
136.050

84, 44.210,
135.760

88, 52.326,

Harmonies

Complementary

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



49, 29.331, 318.738



58, 28.834, 135.998

Rectangle

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



49, 29.331, 318.738



49, 29.331, 8.738



49, 29.331, 138.738



49, 29.331, 188.738

Sweetspot

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



49, 29.329, 318.738



74, 10.673, 317.832



49, 20.092, 281.516



38, 7.404, 317.890



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, 29.329, 318.738



60, 43.373, 319.011



50, 26.259, 334.333



29, 5.374, 317.832



26, 74.926, 319.374



1, 4.661, 317.465

Inverse Universe

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



49, 19.763, 3.200



60, 29.493, 4.175



58, 26.075, 150.050



29, 3.517, 0.712



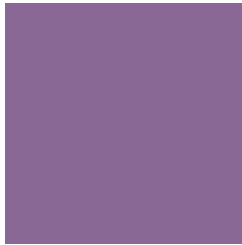
28, 56.566, 24.443



1, 3.014, 359.926

Previews

White Background



This preview shows how the CIELCh color 49, 29.331, 318.738 looks on a white background.

Color Contrast Check

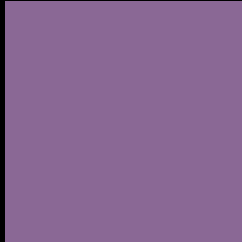
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 29.331, 318.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

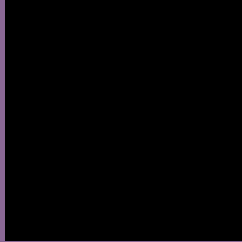
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.331, 318.738

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.331, 318.738.



This preview shows how white text looks on a background with the CIELCh color 49, 29.331, 318.738.

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, 29.331, 318.738

Protanopia

49, 24.780, 285.513

Deuteranopia

49, 19.403, 290.582



Tritanopia
49, 11.142, 352.623

Trichromacy



Original Color
49, 29.331, 318.738

Protanomaly
49, 25.457, 298.157

Deuteranomaly
49, 22.889, 303.992

Tritanomaly
49, 17.025, 332.296

Monochromacy



Original Color
49, 29.331, 318.738

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 11.243, 318.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.331, 318.738 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(138, 104, 149)` looks like.

```
.text, #text, p{  
    color:rgb(138, 104, 149)  
}
```

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(138, 104, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 104, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.331, 318.738 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(138, 104, 149) }
```

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

```
.border{ border-color:rgb(138, 104, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 104, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 104, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 104, 149);  
box-shadow:4px 4px 4px 4px rgb(138, 104,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.331, 318.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 104, 149) }
```

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

```
.background{ background-color: rgb(138,  
104, 149) }
```

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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