

Converting Colors

CIELCh(49, 30.135, 333.797)

Have a look what the booklet for
CIELCh(49, 30.135, 333.797)
contains.

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Color

CIELCh(49, 29.950, 334.012)

Conversions

Conversions Part 1

Format	Color
Hex	97648B
RGB	151, 100, 139
RGB Percent	59%, 39%, 55%
CMY	0.4074, 0.6074, 0.4544
CMYK	0.00, 0.34, 0.08, 0.41
HSL	314°, 20%, 49%
HSV	314°, 34%, 59%
XYZ	22.0213, 17.5941, 26.7058
YIQ	119.6950, 17.8770, 22.9410

Conversions

Conversions Part 2

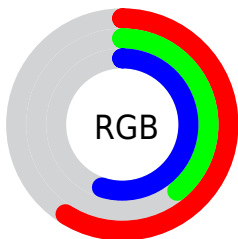
Format	Color
R_{YB}	151, 100, 139
Decimal	9921675
CIE _{Lab}	49.00, 26.92, -13.12
CIE _{LCh}	49, 29.950, 334.012
Yxy	17.5941, 0.3320, 0.2653
Android (android.graphics.Color)	4288111755 (0xFF97648B)
YUV	119.6950, 9.5174, 27.4545
Hunter-Lab	41.9453, 20.3083, -8.3872

Details

The CIELCh color $49, 29.950, 334.012$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $58, 29.765, 149.178$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 29.881, 333.735$, and $29, 29.883, 333.956$ is the 20% darker color. If you saturate the color by 10%, you get $45, 38.472, 334.742$, and if you desaturate by 10%, it is $53, 21.110, 333.314$.

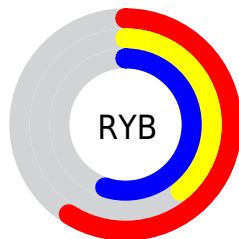
Distribution



Red (59%)

Green (39%)

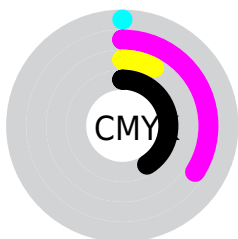
Blue (55%)



Red (59%)

Yellow (39%)

Blue (55%)

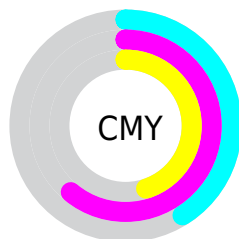


Cyan (0%)

Magenta (34%)

Yellow (8%)

Black (41%)



Cyan (41%)


Magenta (61%)

Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 29.950, 334.012 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, 29.950, 334.012 by changing the saturation by 10% instead.


 49, 29.950,
334.012


 49, 29.950,
334.012


 100, 29.950,
334.012

 39, 29.950,
334.012

 69, 29.950,
334.012


 29, 29.950,
334.012

 79, 29.950,
334.012

 19, 29.950,
334.012

 89, 29.950,
334.012

 9, 29.950, 334.012

 99, 29.950,
334.012

 0, 29.950, 334.012

 49, 29.950,

 49, 29.950,

334.012

334.012

45, 38.472,
334.742

53, 21.110,
333.314

42, 46.387,
335.511

57, 12.177,
332.641

39, 53.327,
336.332

61, 3.301, 331.949

37, 58.898,
337.226

65, 5.424, 151.470

35, 62.755,
338.228

69, 13.939,
150.865

34, 64.725,
339.382

74, 22.217,
150.312

34, 65.444,
340.151

78, 30.246,
149.791

82, 38.027,
149.300

■ 87, 45.569,
148.837

Harmonies

Complementary

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



49, 29.950, 334.012



58, 29.765, 149.178

Rectangle

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



49, 29.950, 334.012



49, 29.950, 24.012



49, 29.950, 154.012



49, 29.950, 204.012

Sweetspot

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



49, 29.948, 334.012



74, 10.938, 332.405



45, 30.805, 301.882



39, 7.528, 332.491



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



49, 29.948, 334.012



59, 44.738, 334.599



48, 22.620, 2.093



30, 5.041, 332.340



31, 62.042, 340.052



1, 5.363, 332.268

Inverse Universe

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



49, 29.948, 334.012



59, 44.738, 334.599



59, 20.251, 175.059



30, 5.041, 332.340



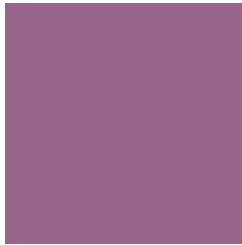
31, 62.042, 340.052



1, 5.363, 332.268

Previews

White Background



This preview shows how the CIELCh color 49, 29.950, 334.012 looks on a white background.

Color Contrast Check

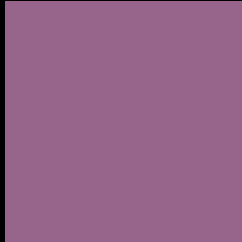
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.950, 334.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

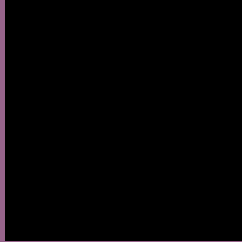
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.950, 334.012

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.950, 334.012.



This preview shows how white text looks on a background with the CIELCh color 49, 29.950, 334.012.

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, 29.950, 334.012

Protanopia

49, 20.063, 284.719

Deuteranopia

49, 13.690, 299.839



Tritanopia
49, 18.602, 7.402

Trichromacy



Original Color
49, 29.950, 334.012

Protanomaly
49, 21.901, 306.435

Deuteranomaly
49, 19.088, 318.434

Tritanomaly
49, 21.684, 351.692

Monochromacy



Original Color
49, 29.950, 334.012

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 10.926, 332.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.950, 334.012 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(151, 100, 139)` looks like.

```
.text, #text, p{  
    color:rgb(151, 100, 139)  
}
```

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(151, 100, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 100, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.950, 334.012 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(151, 100, 139) }
```

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

```
.border{ border-color:rgb(151, 100, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 100, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 100, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 100, 139);  
box-shadow:4px 4px 4px 4px rgb(151, 100,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.950, 334.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 100, 139) }
```

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

```
.background{ background-color: rgb(151,  
100, 139) }
```

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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