

Converting Colors

CIELCh(49, 32.880, 343.755)

Have a look what the booklet for
CIELCh(49, 32.880, 343.755)
contains.

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Color

CIELCh(49, 33.029, 343.678)

Conversions

Conversions Part 1

Format	Color
Hex	A16085
RGB	161, 96, 133
RGB Percent	63%, 38%, 52%
CMY	0.3692, 0.6240, 0.4790
CMYK	0.00, 0.40, 0.17, 0.37
HSL	326°, 26%, 50%
HSV	326°, 40%, 63%
XYZ	23.0648, 17.5941, 24.3222
YIQ	119.6530, 26.8630, 25.2870

Conversions

Conversions Part 2

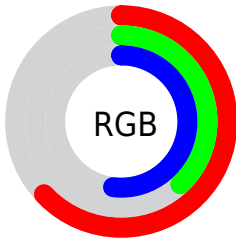
Format	Color
RYB	161, 96, 133
Decimal	10576005
CIELab	49.00, 31.70, -9.28
CIELCh	49, 33.029, 343.678
Yxy	17.5941, 0.3549, 0.2708
Android (android.graphics.Color)	4288766085 (0xFFA16085)
YUV	119.6530, 6.5801, 36.2613
Hunter-Lab	41.9453, 24.7492, -5.0180

Details

The CIELCh color $49, 33.029, 343.678$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $61, 32.016, 156.347$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 32.871, 343.832$, and $29, 33.073, 344.183$ is the 20% darker color. If you saturate the color by 10%, you get $45, 40.725, 344.855$, and if you desaturate by 10%, it is $53, 24.917, 342.645$.

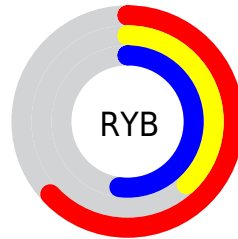
Distribution



Red (63%)

Green (38%)

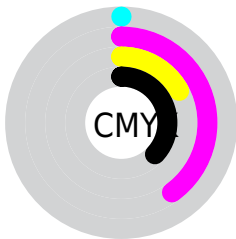
Blue (52%)



Red (63%)

Yellow (38%)

Blue (52%)

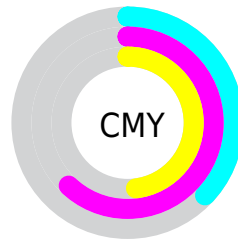


Cyan (0%)

Magenta (40%)

Yellow (17%)

Black (37%)



Cyan (37%)


Magenta (62%)

Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 33.029, 343.678 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, 33.029, 343.678 by changing the saturation by 10% instead.


 49, 33.029,
343.678


 49, 33.029,
343.678


 100, 33.029,
343.678


 39, 33.029,
343.678

 69, 33.029,
343.678


 29, 33.029,
343.678

 79, 33.029,
343.678

 19, 33.029,
343.678

 89, 33.029,
343.678

 9, 33.029, 343.678

 99, 33.029,
343.678

 0, 33.029, 343.678

 49, 33.029,

 49, 33.029,

343.678

45, 40.725,
344.855

42, 47.669,
346.223

39, 53.458,
347.858

37, 57.706,
349.861

36, 60.167,
352.358

35, 61.258,
355.198

343.678

53, 24.917,
342.645

57, 16.656,
341.715

62, 8.421, 340.859

66, 0.325, 339.133

71, 7.564, 159.466

75, 15.215,
158.789

80, 22.616,
158.172

84, 29.767,
157.601

89, 36.680,

Harmonies

Complementary

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



49, 33.029, 343.678



61, 32.016, 156.347

Rectangle

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



49, 33.029, 343.678



49, 33.029, 33.678



49, 33.029, 163.678



49, 33.029, 213.678

Sweetspot

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



49, 33.027, 343.679



77, 12.051, 341.012



46, 39.820, 308.378



40, 7.986, 341.113



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 33.027, 343.679



59, 48.137, 344.668



48, 28.318, 17.011



32, 4.630, 340.765



31, 56.950, 354.877



1, 6.874, 342.813

Inverse Universe

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



49, 33.027, 343.679



59, 48.137, 344.668



62, 22.397, 189.580



32, 4.630, 340.765



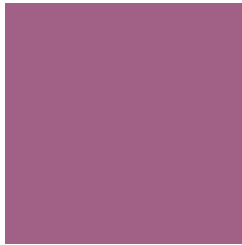
31, 56.950, 354.877



1, 6.874, 342.813

Previews

White Background



This preview shows how the CIELCh color 49, 33.029, 343.678 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, 33.029, 343.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

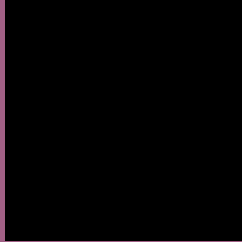
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 33.029, 343.678

Background



This preview shows how black text looks on a background with the CIELCh color 49, 33.029, 343.678.



This preview shows how white text looks on a background with the CIELCh color 49, 33.029, 343.678.

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, 33.029, 343.678

Protanopia

49, 17.716, 284.354

Deuteranopia

49, 9.949, 309.595



Tritanopia
49, 24.608, 13.285

Trichromacy



Original Color
49, 33.029, 343.678

Protanomaly
49, 20.240, 313.230

Deuteranomaly
49, 18.160, 330.844

Tritanomaly
49, 26.767, 0.317

Monochromacy



Original Color
49, 33.029, 343.678

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 12.673, 340.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 33.029, 343.678 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(161, 96, 133)` looks like.

```
.text, #text, p{  
    color:rgb(161, 96, 133)  
}
```

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(161, 96, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 96, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 33.029, 343.678 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(161, 96, 133) }
```

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

```
.border{ border-color:rgb(161, 96, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 96, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 96, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 96, 133);  
box-shadow:4px 4px 4px 4px rgb(161, 96,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 33.029, 343.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 96, 133) }
```

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

```
.background{ background-color: rgb(161, 96,  
133) }
```

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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