

Converting Colors

CIELCh(49, 33.068, 353.295)

Have a look what the booklet for
CIELCh(49, 33.068, 353.295)
contains.

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Color

CIELCh(49, 33.428, 353.201)

Conversions

Conversions Part 1

Format	Color
Hex	A65E7C
RGB	166, 94, 124
RGB Percent	65%, 37%, 49%
CMY	0.3487, 0.6310, 0.5134
CMYK	0.00, 0.43, 0.25, 0.35
HSL	335°, 29%, 51%
HSV	335°, 43%, 65%
XYZ	23.3981, 17.5941, 21.2589
YIQ	118.9480, 33.2820, 24.5940

Conversions

Conversions Part 2

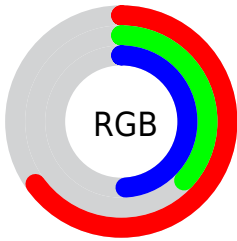
Format	Color
R_{YB}	166, 94, 124
Decimal	10903164
CIE _{Lab}	49.00, 33.19, -3.96
CIE _{LCh}	49, 33.428, 353.201
Yxy	17.5941, 0.3759, 0.2826
Android (android.graphics.Color)	4289093244 (0xFFA65E7C)
YUV	118.9480, 2.4906, 41.2646
Hunter-Lab	41.9453, 26.1676, -0.6879

Details

The CIELCh color **49, 33.428, 353.201** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **63, 30.954, 163.971**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 33.382, 353.807**, and **29, 33.309, 353.537** is the 20% darker color. If you saturate the color by 10%, you get **45, 40.804, 354.861**, and if you desaturate by 10%, it is **53, 25.686, 351.813**.

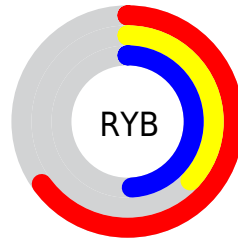
Distribution



Red (65%)

Green (37%)

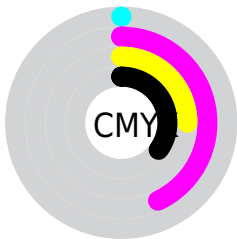
Blue (49%)



Red (65%)

Yellow (37%)

Blue (49%)

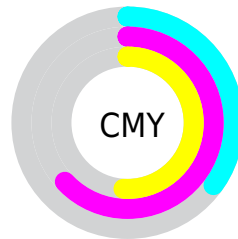


Cyan (0%)

Magenta (43%)

Yellow (25%)

Black (35%)



Cyan (35%)

Magenta (63%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 33.428, 353.201 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, 33.428, 353.201 by changing the saturation by 10% instead.


 49, 33.428,
353.201


 49, 33.428,
353.201


 100, 33.428,
353.201


 39, 33.428,
353.201

 69, 33.428,
353.201


 29, 33.428,
353.201

 79, 33.428,
353.201

 19, 33.428,
353.201

 89, 33.428,
353.201

 9, 33.428, 353.201

 99, 33.428,
353.201

 0, 33.428, 353.201

 49, 33.428,

 49, 33.428,

353.201

353.201

45, 40.804,
354.861

53, 25.686,
351.813

42, 47.480,
356.888

57, 17.844,
350.621

39, 53.075,
359.418

62, 10.078,
349.570

37, 57.270, 2.615

67, 2.495, 348.540

36, 59.961, 6.641

71, 4.845, 167.948

35, 61.342, 9.611

76, 11.915,
167.158

81, 18.712,
166.467

86, 25.243,
165.839

■ 90, 31.522,
165.261

Harmonies

Complementary

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



49, 33.428, 353.201



63, 30.954, 163.971

Rectangle

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



49, 33.428, 353.201



49, 33.428, 43.201



49, 33.428, 173.201



49, 33.428, 223.201

Sweetspot

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



49, 33.426, 353.203



79, 12.183, 349.559



47, 44.820, 313.859



41, 8.619, 349.775



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 33.426, 353.203



59, 49.415, 354.790



50, 29.844, 29.662



33, 4.292, 349.169



31, 56.305, 9.077



2, 7.453, 352.029

Inverse Universe

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



49, 33.426, 353.203



59, 49.415, 354.790



62, 21.698, 206.612



33, 4.292, 349.169



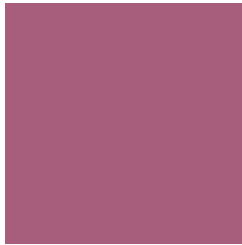
31, 56.305, 9.077



2, 7.453, 352.029

Previews

White Background



This preview shows how the CIELCh color 49, 33.428, 353.201 looks on a white background.

Color Contrast Check

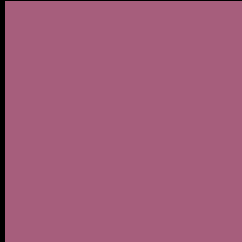
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.428, 353.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

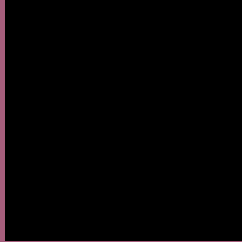
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 33.428, 353.201

Background



This preview shows how black text looks on a background with the CIELCh color 49, 33.428, 353.201.



This preview shows how white text looks on a background with the CIELCh color 49, 33.428, 353.201.

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, 33.428, 353.201

Protanopia

49, 12.940, 286.925

Deuteranopia

49, 7.064, 338.622



Tritanopia
49, 28.601, 15.267

Trichromacy



Original Color
49, 33.428, 353.201

Protanomaly
49, 17.478, 324.305

Deuteranomaly
49, 17.002, 348.281

Tritanomaly
49, 29.665, 6.747

Monochromacy



Original Color
49, 33.428, 353.201

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 12.390, 349.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 33.428, 353.201 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(166, 94, 124)` looks like.

```
.text, #text, p{  
    color:rgb(166, 94, 124)  
}
```

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(166, 94, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 94, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 33.428, 353.201 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(166, 94, 124) }
```

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

```
.border{ border-color:rgb(166, 94, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 94, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 94, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 94, 124);  
box-shadow:4px 4px 4px 4px rgb(166, 94,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 33.428, 353.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 94, 124) }
```

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

```
.background{ background-color: rgb(166, 94,  
124) }
```

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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