

Converting Colors

CIELCh(49, 36.464, 302.702)

Have a look what the booklet for
CIELCh(49, 36.464, 302.702)
contains.

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Color

CIELCh(49, 36.384, 303.095)

Conversions

Conversions Part 1

Format	Color
Hex	7B6BA8
RGB	123, 107, 168
RGB Percent	48%, 42%, 66%
CMY	0.5171, 0.5799, 0.3406
CMYK	0.27, 0.36, 0.00, 0.34
HSL	256°, 26%, 54%
HSV	256°, 36%, 66%
XYZ	20.5382, 17.5941, 39.4252
YIQ	118.7380, -10.0450, 22.3630

Conversions

Conversions Part 2

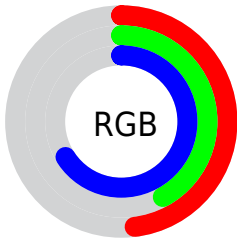
Format	Color
R_{YB}	123, 107, 168
Decimal	8088488
CIE _{Lab}	49.00, 19.87, -30.48
CIE _{LCh}	49, 36.384, 303.095
Yxy	17.5941, 0.2648, 0.2269
Android (android.graphics.Color)	4286278568 (0xFF7B6BA8)
YUV	118.7380, 24.2862, 3.7378
Hunter-Lab	41.9453, 13.9969, -26.3662

Details

The CIELCh color $49, 36.384, 303.095$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $66, 33.681, 118.184$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 36.459, 303.521$, and $29, 36.966, 303.165$ is the 20% darker color. If you saturate the color by 10%, you get $44, 47.153, 304.055$, and if you desaturate by 10%, it is $54, 25.902, 302.222$.

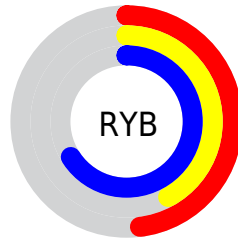
Distribution



Red (48%)

Green (42%)

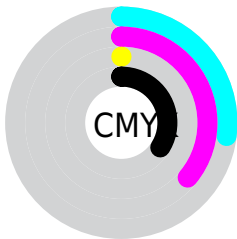
Blue (66%)



Red (48%)

Yellow (42%)

Blue (66%)

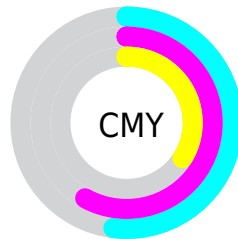


Cyan (27%)

Magenta (36%)

Yellow (0%)

Black (34%)



Cyan (52%)


Magenta (58%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 36.384, 303.095 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, 36.384, 303.095 by changing the saturation by 10% instead.


 49, 36.384,
303.095


 49, 36.384,
303.095


 100, 36.384,
303.095


 39, 36.384,
303.095

 69, 36.384,
303.095


 29, 36.384,
303.095

 79, 36.384,
303.095

 19, 36.384,
303.095

 89, 36.384,
303.095

 9, 36.384, 303.095

 99, 36.384,
303.095

 0, 36.384, 303.095

 49, 36.384,

 49, 36.384,

303.095

44, 47.153,
304.055

38, 58.077,
305.075

33, 68.870,
306.094

29, 78.988,
307.005

25, 87.552,
307.643

22, 93.588,
307.847

21, 95.568,
307.929

303.095

54, 25.902,
302.222

60, 15.764,
301.444

65, 5.980, 300.758


71, 3.457, 120.177

76, 12.561,
119.654

82, 21.350,
119.207

87, 29.843,
118.822

92, 38.059,
118.491

 97, 44.206,
117.039

Harmonies

Complementary

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



49, 36.384, 303.095



66, 33.681, 118.184

Rectangle

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



49, 36.384, 303.095



49, 36.384, 353.095



49, 36.384, 123.095



49, 36.384, 173.095

Sweetspot

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



49, 36.383, 303.095



80, 13.098, 301.085



61, 17.289, 228.287



41, 8.807, 301.173



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, 36.383, 303.095



58, 55.518, 303.908



52, 38.897, 318.831



33, 5.415, 300.955



18, 86.871, 308.018



1, 9.693, 298.983

Inverse Universe

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



53, 34.427, 335.315



64, 51.352, 335.985



64, 38.089, 135.457



33, 5.352, 333.375



33, 63.247, 341.889



2, 9.215, 335.665

Previews

White Background



This preview shows how the CIELCh color 49, 36.384, 303.095 looks on a white background.

Color Contrast Check

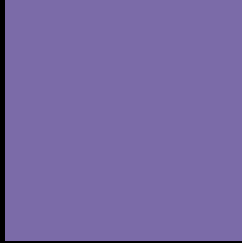
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.384, 303.095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

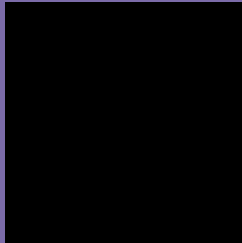
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 36.384, 303.095

Background



This preview shows how black text looks on a background with the CIELCh color 49, 36.384, 303.095.



This preview shows how white text looks on a background with the CIELCh color 49, 36.384, 303.095.

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, 36.384, 303.095

Protanopia

49, 34.828, 284.934

Deuteranopia

49, 30.206, 283.667



Tritanopia
49, 5.297, 286.655

Trichromacy



Original Color
49, 36.384, 303.095

Protanomaly
49, 35.227, 291.529

Deuteranomaly
49, 32.322, 291.409

Tritanomaly
49, 16.622, 298.706

Monochromacy



Original Color
49, 36.384, 303.095

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 13.153, 301.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 36.384, 303.095 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(123, 107, 168)` looks like.

```
.text, #text, p{  
    color:rgb(123, 107, 168)  
}
```

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(123, 107, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 107, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 36.384, 303.095 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(123, 107, 168) }
```

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

```
.border{ border-color:rgb(123, 107, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 107, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 107, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 107, 168);  
box-shadow:4px 4px 4px 4px rgb(123, 107,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 36.384, 303.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 107, 168) }
```

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

```
.background{ background-color: rgb(123,  
107, 168) }
```

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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