

Converting Colors

CIELCh(49, 2.973, 298.261)

Have a look what the booklet for
CIELCh(49, 2.973, 298.261) contains.

CIELCh(49, 2.973, 298.261)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 2.973, 298.261)

Conversions

Conversions Part 1

Format	Color
Hex	757479
RGB	117, 116, 121
RGB Percent	46%, 45%, 47%
CMY	0.5419, 0.5458, 0.5262
CMYK	0.03, 0.04, 0.00, 0.53
HSL	252°, 2%, 46%
HSV	252°, 4%, 47%
XYZ	16.9760, 17.5941, 20.5314
YIQ	116.8690, -1.0090, 1.7670

Conversions

Conversions Part 2

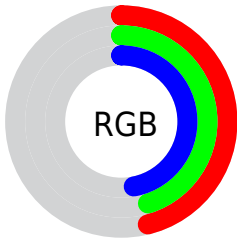
Format	Color
R_{YB}	117, 116, 121
Decimal	7697529
CIE Lab	49.00, 1.41, -2.62
CIE LCh	49, 2.973, 298.261
Yxy	17.5941, 0.3081, 0.3193
Android (android.graphics.Color)	4285887609 (0xFF757479)
YUV	116.8690, 2.0366, 0.1149
Hunter-Lab	41.9453, -1.1623, 0.3403

Details

The CIELCh color $49, 2.973, 298.261$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 2.936, 117.719$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 2.782, 298.183$, and $29, 3.257, 298.418$ is the 20% darker color. If you saturate the color by 10%, you get $45, 10.329, 298.973$, and if you desaturate by 10%, it is $53, 4.123, 117.626$.

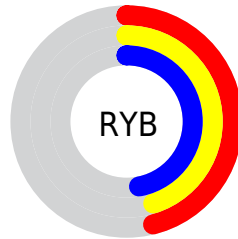
Distribution



Red (46%)

Green (45%)

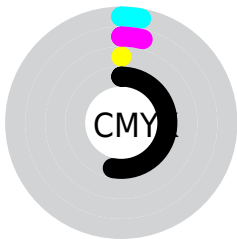
Blue (47%)



Red (46%)

Yellow (45%)

Blue (47%)

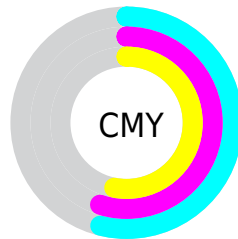


Cyan (3%)

Magenta (4%)

Yellow (0%)

Black (53%)



Cyan (54%)













Magenta (55%)







Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 2.973, 298.261 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, 2.973, 298.261 by changing the saturation by 10% instead.

 49, 2.973, 298.261	 49, 2.973, 298.261
 100, 2.973, 298.261	 39, 2.973, 298.261
 69, 2.973, 298.261	 29, 2.973, 298.261
 79, 2.973, 298.261	 19, 2.973, 298.261
 89, 2.973, 298.261	 9, 2.973, 298.261
 99, 2.973, 298.261	 0, 2.973, 298.261

 49, 2.973, 298.261	 49, 2.973, 298.261
 45, 10.329, 298.973	 53, 4.123, 117.626
 40, 17.959,	 57, 10.969, 117.082

299.801

62, 17.582,
116.612

36, 25.867,
300.742

66, 23.976,
116.205

32, 34.036,
301.797

70, 30.165,
115.854

28, 42.406,
302.950

74, 36.163,
115.550

24, 50.831,
304.159

78, 41.981,
115.288

20, 59.007,
305.341

82, 47.630,
115.061

17, 66.376,
306.349

86, 53.121,
114.865

14, 72.217,
307.022

Harmonies

Complementary

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



49, 2.973, 298.261



51, 2.936, 117.719

Rectangle

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



49, 2.973, 298.261



49, 2.973, 348.261



49, 2.973, 118.261



49, 2.973, 168.261

Sweetspot

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



49, 2.972, 298.249



65, 0.897, 298.036



50, 1.699, 217.850



33, 0.507, 298.030



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 2.972, 298.249



63, 4.484, 298.316



49, 3.255, 315.329



24, 2.459, 298.339



14, 77.441, 307.491



33, 131.051, 307.130

Inverse Universe

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



49, 3.109, 330.692



63, 4.686, 330.764



50, 3.233, 135.079



25, 2.569, 330.786



28, 58.640, 337.742



57, 97.954, 338.372

Previews

White Background



This preview shows how the CIELCh color 49, 2.973, 298.261 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, 2.973, 298.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

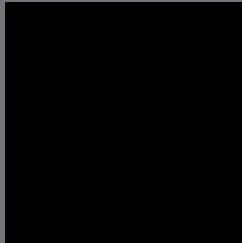
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

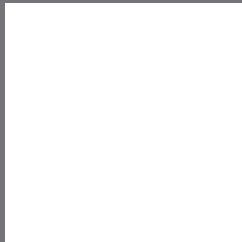
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 2.973, 298.261

Background



This preview shows how black text looks on a background with the CIELCh color 49, 2.973, 298.261.



This preview shows how white text looks on a background with the CIELCh color 49, 2.973, 298.261.

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, 2.973, 298.261

Protanopia

49, 2.973, 298.261

Deuteranopia

49, 6.768, 336.278



Tritanopia
49, 5.365, 299.312

Trichromacy



Original Color

49, 2.973, 298.261

Protanomaly

49, 2.973, 298.261

Deuteranomaly

49, 5.245, 328.372

Tritanomaly

49, 4.785, 300.300

Monochromacy



Original Color

49, 2.973, 298.261

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 0.592, 290.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 2.973, 298.261 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(117, 116, 121)` looks like.

```
.text, #text, p{  
    color:rgb(117, 116, 121)  
}
```

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(117, 116, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 116, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 2.973, 298.261 is called "border". The border property can be set on classes, ids or directly on the HTML element.

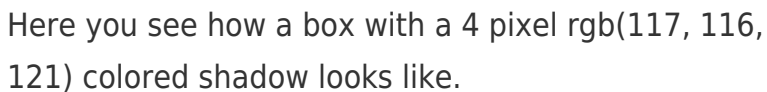
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 116, 121) }
```

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

```
.border{ border-color:rgb(117, 116, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 116, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 116, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 116, 121); box-shadow:4px 4px 4px 4px rgb(117, 116, 121) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 2.973, 298.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 116, 121) }
```

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

```
.background{ background-color: rgb(117,  
116, 121) }
```

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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