

Converting Colors

CIELCh(49, 3.481, 308.074)

Have a look what the booklet for
CIELCh(49, 3.481, 308.074) contains.

CIELCh(49, 3.743, 309.254)	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, 3.743, 309.254)

Conversions

Conversions Part 1

Format	Color
Hex	767379
RGB	118, 115, 121
RGB Percent	46%, 45%, 47%
CMY	0.5360, 0.5478, 0.5243
CMYK	0.02, 0.05, 0.00, 0.52
HSL	270°, 3%, 46%
HSV	270°, 5%, 48%
XYZ	17.1503, 17.5941, 20.6821
YIQ	116.5810, -0.1380, 2.5020

Conversions

Conversions Part 2

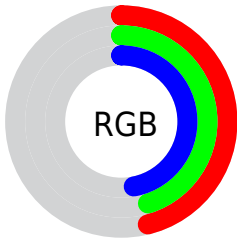
Format	Color
R_{YB}	118, 115, 121
Decimal	7762809
CIE _{Lab}	49.00, 2.37, -2.90
CIE _{LCh}	49, 3.743, 309.254
Yxy	17.5941, 0.3094, 0.3174
Android (android.graphics.Color)	4285952889 (0xFF767379)
YUV	116.5810, 2.1786, 1.2445
Hunter-Lab	41.9453, -0.4203, 0.1274

Details

The CIELCh color $49, 3.743, 309.254$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 3.707, 128.880$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 3.503, 309.187$, and $29, 4.101, 309.380$ is the 20% darker color. If you saturate the color by 10%, you get $45, 11.454, 309.710$, and if you desaturate by 10%, it is $53, 3.754, 128.886$.

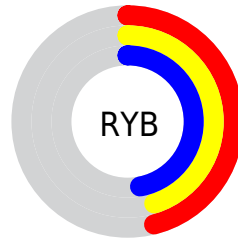
Distribution



Red (46%)

Green (45%)

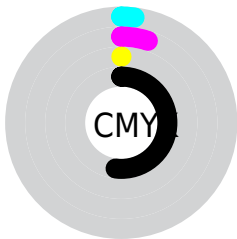
Blue (47%)



Red (46%)

Yellow (45%)

Blue (47%)

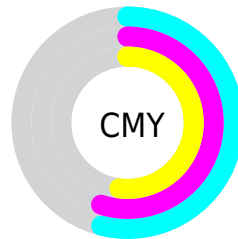


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 3.743, 309.254 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, 3.743, 309.254 by changing the saturation by 10% instead.

■ 49, 3.743, 309.254

■ 49, 3.743, 309.254

■ 100, 3.743,
309.254

■ 39, 3.743, 309.254

■ 69, 3.743, 309.254

■ 29, 3.743, 309.254

■ 79, 3.743, 309.254

■ 19, 3.743, 309.254

■ 89, 3.743, 309.254

■ 9, 3.743, 309.254

■ 99, 3.743, 309.254

■ 0, 3.743, 309.254

■ 49, 3.743, 309.254

■ 49, 3.743, 309.254

■ 45, 11.454,
309.710

■ 53, 3.754, 128.886

■ 41, 19.365,

■ 57, 11.028,
128.506

310.196

61, 18.083,
128.178

37, 27.435,
310.707

65, 24.926,
127.889

33, 35.586,
311.228

69, 31.565,
127.636

30, 43.681,
311.731

72, 38.012,
127.415

26, 51.496,
312.169

76, 44.276,
127.223

23, 58.687,
312.475

80, 50.369,
127.057

21, 64.791,
312.560

84, 56.299,
126.914

18, 69.430,
312.360

Harmonies

Complementary

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



49, 3.743, 309.254



51, 3.707, 128.880

Rectangle

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



49, 3.743, 309.254



49, 3.743, 359.254



49, 3.743, 129.254



49, 3.743, 179.254

Sweetspot

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



49, 3.742, 309.248



65, 0.941, 309.000



50, 2.082, 254.298



33, 0.532, 308.989



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, 3.742, 309.248



62, 5.645, 309.304



49, 4.266, 324.211



24, 3.009, 309.314



18, 73.309, 312.272



40, 124.098, 311.677

Inverse Universe

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



49, 3.014, 343.936



62, 4.546, 344.051



50, 4.253, 143.779



24, 2.423, 344.070



26, 50.115, 0.442



54, 83.990, 2.904

Previews

White Background



This preview shows how the CIELCh color 49, 3.743, 309.254 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, 3.743, 309.254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

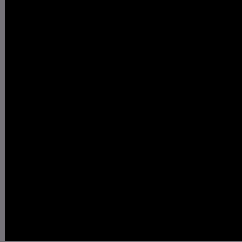
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

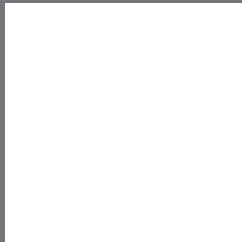
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 3.743, 309.254

Background



This preview shows how black text looks on a background with the CIELCh color 49, 3.743, 309.254.

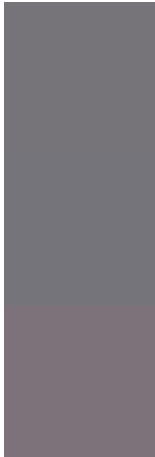


This preview shows how white text looks on a background with the CIELCh color 49, 3.743, 309.254.

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, 3.743, 309.254

Protanopia

49, 3.555, 297.049

Deuteranopia

49, 7.183, 332.905



Tritanopia
49, 5.545, 307.418

Trichromacy



Original Color

49, 3.743, 309.254

Protanomaly

49, 3.555, 297.049

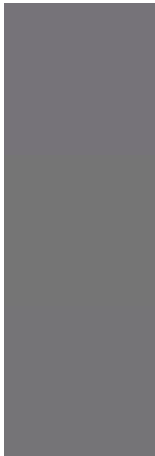
Deuteranomaly

49, 5.952, 327.984

Tritanomaly

49, 4.986, 309.326

Monochromacy



Original Color

49, 3.743, 309.254

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 1.817, 303.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 3.743, 309.254 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(118, 115, 121)` looks like.

```
.text, #text, p{  
    color:rgb(118, 115, 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(118, 115, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 115, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 3.743, 309.254 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(118, 115, 121) }
```

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

```
.border{ border-color:rgb(118, 115, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 115, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 115, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 115, 121);  
box-shadow:4px 4px 4px 4px rgb(118, 115,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 3.743, 309.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 115, 121) }
```

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

```
.background{ background-color: rgb(118,  
115, 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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