

Converting Colors

CIELCh(50, 2.937, 301.788)

Have a look what the booklet for
CIELCh(50, 2.937, 301.788) contains.

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Color

CIELCh(50, 3.048, 305.672)

Conversions

Conversions Part 1

Format	Color
Hex	78767B
RGB	120, 118, 123
RGB Percent	47%, 46%, 48%
CMY	0.5290, 0.5368, 0.5172
CMYK	0.02, 0.04, 0.00, 0.52
HSL	264°, 2%, 47%
HSV	264°, 4%, 48%
XYZ	17.8366, 18.4187, 21.3926
YIQ	119.1680, -0.4130, 1.9790

Conversions

Conversions Part 2

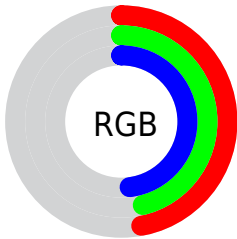
Format	Color
R_{YB}	120, 118, 123
Decimal	7894651
CIE Lab	50.00, 1.78, -2.48
CIE LCh	50, 3.048, 305.672
Yxy	18.4187, 0.3094, 0.3195
Android (android.graphics.Color)	4286084731 (0xFF78767B)
YUV	119.1680, 1.8892, 0.7297
Hunter-Lab	42.9170, -0.9189, 0.4878

Details

The CIELCh color $50, 3.048, 305.672$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 3.016, 125.324$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 2.855, 305.612$, and $30, 2.719, 309.259$ is the 20% darker color. If you saturate the color by 10%, you get $46, 10.701, 306.183$, and if you desaturate by 10%, it is $54, 4.368, 125.245$.

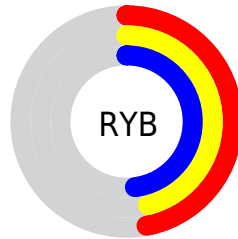
Distribution



Red (47%)

Green (46%)

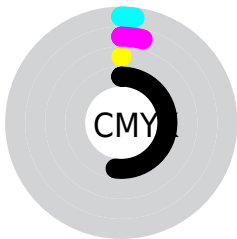
Blue (48%)



Red (47%)

Yellow (46%)

Blue (48%)

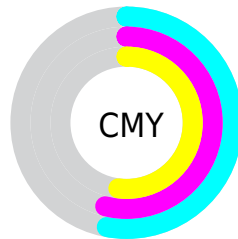


Cyan (2%)

Magenta (4%)

Yellow (0%)

Black (52%)



Cyan (53%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 3.048, 305.672 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 50, 3.048, 305.672 by changing the saturation by 10% instead.

■ 50, 3.048, 305.672

■ 50, 3.048, 305.672

■ 100, 3.048,
305.672

■ 40, 3.048, 305.672

■ 70, 3.048, 305.672

■ 30, 3.048, 305.672

■ 80, 3.048, 305.672

■ 20, 3.048, 305.672

■ 90, 3.048, 305.672

■ 10, 3.048, 305.672

■ 0, 3.048, 305.672

■ 50, 3.048, 305.672

■ 50, 3.048, 305.672

■ 46, 10.701,
306.183

■ 54, 4.368, 125.245

■ 42, 18.588,
306.748

■ 58, 11.548,
124.838

■ 38, 26.686,
307.361

■ 62, 18.500,
124.486

■ 34, 34.941,
308.012

■ 66, 25.236,
124.180

■ 30, 43.247,
308.677

■ 70, 31.766,
123.914

■ 26, 51.410,
309.310

■ 74, 38.102,
123.685

■ 23, 59.100,
309.841

■ 78, 44.256,
123.487

■ 20, 65.824,
310.165

■ 82, 50.239,
123.318

■ 17, 71.037,
310.175

■ 86, 56.060,
123.174

Harmonies

Complementary

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



50, 3.048, 305.672



51, 3.016, 125.324

Rectangle

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



50, 3.048, 305.672



50, 3.048, 355.672



50, 3.048, 125.672



50, 3.048, 175.672

Sweetspot

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



50, 3.047, 305.663



66, 0.934, 305.463



51, 1.644, 242.452



34, 0.536, 305.454



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 3.047, 305.663



64, 4.669, 305.718



50, 3.435, 321.380



24, 2.527, 305.734



16, 74.833, 310.221



38, 126.772, 309.659

Inverse Universe

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



50, 2.684, 338.812



64, 4.112, 338.908



51, 3.420, 141.101



25, 2.226, 338.936



26, 51.837, 351.759



55, 86.449, 353.542

Previews

White Background



This preview shows how the CIELCh color 50, 3.048, 305.672 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 3.048, 305.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

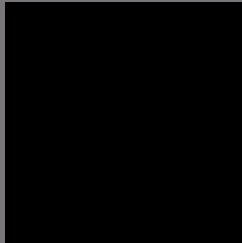
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

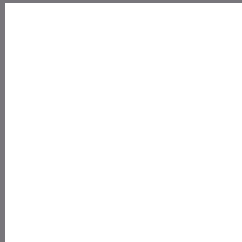
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 3.048, 305.672

Background



This preview shows how black text looks on a background with the CIELCh color 50, 3.048, 305.672.



This preview shows how white text looks on a background with the CIELCh color 50, 3.048, 305.672.

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

50, 3.048, 305.672

Protanopia

50, 3.048, 305.672

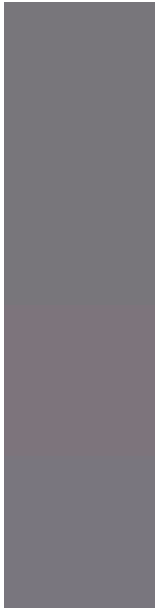
Deuteranopia

50, 7.439, 335.237



Tritanopia
50, 5.417, 303.415

Trichromacy



Original Color

50, 3.048, 305.672

Protanomaly

50, 3.048, 305.672

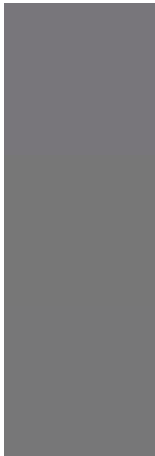
Deuteranomaly

50, 5.935, 327.977

Tritanomaly

50, 4.848, 304.890

Monochromacy



Original Color

50, 3.048, 305.672

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 0.591, 290.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 3.048, 305.672 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(120, 118, 123)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 123)  
}
```

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(120, 118, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 3.048, 305.672 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(120, 118, 123) }
```

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

```
.border{ border-color:rgb(120, 118, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 118, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 123);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 3.048, 305.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 123) }
```

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

```
.background{ background-color: rgb(120,  
118, 123) }
```

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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