

Converting Colors

CIELCh(50, 3.913, 329.352)

Have a look what the booklet for
CIELCh(50, 3.913, 329.352) contains.

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Color

CIELCh(50, 3.811, 329.617)

Conversions

Conversions Part 1

Format	Color
Hex	7B757A
RGB	123, 117, 122
RGB Percent	48%, 46%, 48%
CMY	0.5167, 0.5402, 0.5206
CMYK	0.00, 0.05, 0.01, 0.52
HSL	310°, 2%, 47%
HSV	310°, 5%, 48%
XYZ	18.1204, 18.4187, 21.0913
YIQ	119.3640, 1.9710, 2.8270

Conversions

Conversions Part 2

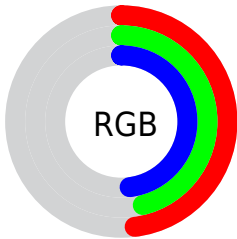
Format	Color
R_{YB}	123, 117, 122
Decimal	8091002
CIE Lab	50.00, 3.29, -1.93
CIE LCh	50, 3.811, 329.617
Yxy	18.4187, 0.3144, 0.3196
Android (android.graphics.Color)	4286281082 (0xFF7B757A)
YUV	119.3640, 1.2995, 3.1888
Hunter-Lab	42.9170, 0.2614, 0.9042

Details

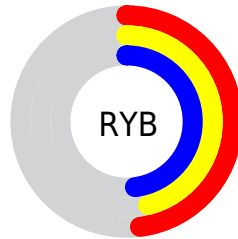
The CIELCh color **50, 3.811, 329.617** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **51, 3.796, 149.163**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 3.571, 329.519**, and **30, 3.391, 330.858** is the 20% darker color. If you saturate the color by 10%, you get **47, 11.701, 330.242**, and if you desaturate by 10%, it is **54, 3.965, 149.161**.

Distribution



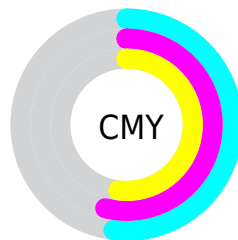
- Red (48%)
- Green (46%)
- Blue (48%)



- Red (48%)
- Yellow (46%)
- Blue (48%)



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (52%)



- Cyan (52%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 3.811, 329.617 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, 3.811, 329.617 by changing the saturation by 10% instead.

■ 50, 3.811, 329.617

■ 50, 3.811, 329.617

■ 100, 3.811,
329.617

■ 40, 3.811, 329.617

■ 70, 3.811, 329.617

■ 30, 3.811, 329.617

■ 80, 3.811, 329.617

■ 20, 3.811, 329.617

■ 90, 3.811, 329.617

■ 10, 3.811, 329.617

■ 0, 3.811, 329.617

■ 50, 3.811, 329.617

■ 50, 3.811, 329.617

■ 47, 11.701,
330.242

■ 54, 3.965, 149.161

■ 43, 19.622,
330.852

■ 57, 11.567,
148.582

40, 27.438,
331.472

61, 18.969,
148.055

37, 34.962,
332.101

64, 26.157,
147.557

34, 41.943,
332.738

68, 33.129,
147.086

32, 48.080,
333.385

72, 39.890,
146.640

30, 53.052,
334.050

75, 46.448,
146.220

29, 56.585,
334.748

79, 52.815,
145.824

28, 58.613,
335.495

83, 59.002,
145.451

Harmonies

Complementary

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



50, 3.811, 329.617



51, 3.796, 149.163

Rectangle

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



50, 3.811, 329.617



50, 3.811, 19.617



50, 3.811, 149.617



50, 3.811, 199.617

Sweetspot

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



50, 3.809, 329.619



66, 0.974, 329.192



50, 3.549, 297.046



34, 0.558, 329.168



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, 3.809, 329.619



63, 5.836, 329.704



50, 2.705, 353.998



24, 3.070, 329.717



28, 60.070, 335.891



58, 100.453, 336.383

Inverse Universe

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



50, 3.809, 329.619



63, 5.836, 329.704



51, 2.668, 173.393



24, 3.070, 329.717



28, 60.070, 335.891



58, 100.453, 336.383

Previews

White Background



This preview shows how the CIE LCh color 50, 3.811, 329.617 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 50, 3.811, 329.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

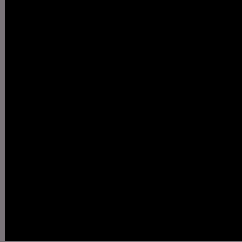
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

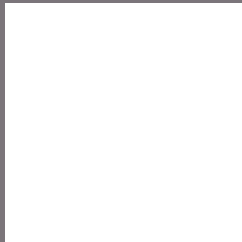
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 3.811, 329.617

Background



This preview shows how black text looks on a background with the CIELCh color 50, 3.811, 329.617.



This preview shows how white text looks on a background with the CIELCh color 50, 3.811, 329.617.

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, 3.811, 329.617

Protanopia

50, 3.048, 305.672

Deuteranopia

50, 7.349, 340.772



Tritanopia
50, 5.985, 318.415

Trichromacy



Original Color

50, 3.811, 329.617

Protanomaly

50, 3.179, 312.610

Deuteranomaly

50, 6.050, 337.539

Tritanomaly

50, 5.476, 321.264

Monochromacy



Original Color

50, 3.811, 329.617

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 1.430, 324.404

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 50, 3.811, 329.617 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, 117, 122)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 122)  
}
```

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, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 3.811, 329.617 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, 117, 122) }
```

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

```
.border{ border-color:rgb(123, 117, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 117, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 122);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 3.811, 329.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 122) }
```

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

```
.background{ background-color: rgb(123,  
117, 122) }
```

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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