

Converting Colors

CIELCh(51, 3.901, 307.504)

Have a look what the booklet for
CIELCh(51, 3.901, 307.504) contains.

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Color

CIELCh(51, 4.271, 306.770)

Conversions

Conversions Part 1

Format	Color
Hex	7B787F
RGB	123, 120, 127
RGB Percent	48%, 47%, 50%
CMY	0.5166, 0.5283, 0.5009
CMYK	0.03, 0.05, 0.00, 0.50
HSL	266°, 3%, 49%
HSV	266°, 5%, 50%
XYZ	18.8050, 19.2686, 22.9001
YIQ	121.6950, -0.4590, 2.8130

Conversions

Conversions Part 2

Format	Color
R_{YB}	123, 120, 127
Decimal	8091775
CIE Lab	51.00, 2.56, -3.42
CIE LCh	51, 4.271, 306.770
Yxy	19.2686, 0.3084, 0.3160
Android (android.graphics.Color)	4286281855 (0xFF7B787F)
YUV	121.6950, 2.6154, 1.1445
Hunter-Lab	43.8960, -0.3491, -0.2038

Details

The CIELCh color $51, 4.271, 306.770$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 4.224, 126.298$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 4.531, 304.796$, and $31, 3.934, 303.424$ is the 20% darker color. If you saturate the color by 10%, you get $47, 12.206, 307.269$, and if you desaturate by 10%, it is $55, 3.427, 126.356$.

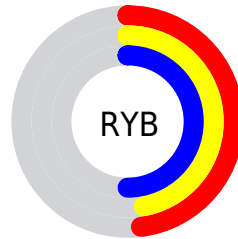
Distribution



Red (48%)

Green (47%)

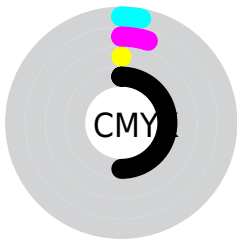
Blue (50%)



Red (48%)

Yellow (47%)

Blue (50%)

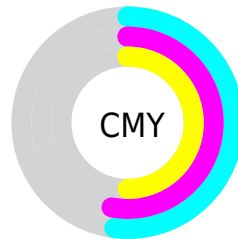


Cyan (3%)

Magenta (5%)

Yellow (0%)

Black (50%)



Cyan (52%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 4.271, 306.770 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 51, 4.271, 306.770 by changing the saturation by 10% instead.

■ 51, 4.271, 306.770

■ 51, 4.271, 306.770

100, 4.271,
306.770

■ 41, 4.271, 306.770

■ 71, 4.271, 306.770

■ 31, 4.271, 306.770

■ 81, 4.271, 306.770

■ 21, 4.271, 306.770

■ 91, 4.271, 306.770

■ 11, 4.271, 306.770

■ 1, 4.271, 306.770

■ 0, 4.271, 306.770

■ 51, 4.271, 306.770

■ 51, 4.271, 306.770

■ 47, 12.206,
307.269

■ 55, 3.427, 126.356

■ 59, 10.882,

43, 20.372,
307.815

125.949

39, 28.736,
308.403

63, 18.104,
125.599

34, 37.230,
309.017

68, 25.102,
125.295

31, 45.723,
309.630

72, 31.887,
125.030

27, 53.989,
310.192

76, 38.470,
124.800

23, 61.659,
310.628

80, 44.864,
124.603

20, 68.207,
310.834

84, 51.079,
124.433

18, 73.189,
310.733

88, 57.126,
124.288

Harmonies

Complementary

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



51, 4.271, 306.770



53, 4.224, 126.298

Rectangle

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



51, 4.271, 306.770



51, 4.271, 356.770



51, 4.271, 126.770



51, 4.271, 176.770

Sweetspot

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



51, 4.270, 306.764



67, 1.922, 306.578



52, 2.313, 246.617



35, 1.101, 306.569



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 4.270, 306.764



64, 6.759, 306.847



51, 4.834, 322.406



25, 3.514, 306.852



17, 75.509, 310.739



0, 0.000, 0.000

Inverse Universe

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



51, 3.665, 340.316



65, 5.798, 340.459



53, 4.817, 141.947



25, 3.014, 340.469



27, 51.939, 354.223



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 4.271, 306.770 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 51, 4.271, 306.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

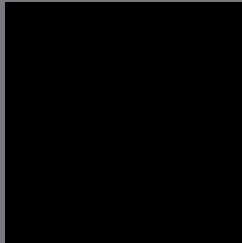
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

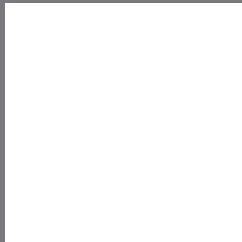
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 4.271, 306.770

Background



This preview shows how black text looks on a background with the CIELCh color 51, 4.271, 306.770.



This preview shows how white text looks on a background with the CIELCh color 51, 4.271, 306.770.

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

51, 4.271, 306.770

Protanopia

51, 4.108, 296.185

Deuteranopia

51, 7.566, 329.899



Tritanopia
51, 5.503, 307.406

Trichromacy



Original Color

51, 4.271, 306.770

Protanomaly

51, 4.108, 296.185

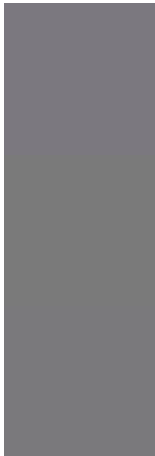
Deuteranomaly

51, 6.378, 324.782

Tritanomaly

51, 4.949, 309.315

Monochromacy



Original Color

51, 4.271, 306.770

Achromatopsia

51, 0.007, 296.813

Achromatomaly

51, 1.804, 303.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 4.271, 306.770 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, 120, 127)` looks like.

```
.text, #text, p{  
    color:rgb(123, 120, 127)  
}
```

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, 120, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 120, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 4.271, 306.770 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, 120, 127) }
```

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

```
.border{ border-color:rgb(123, 120, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 120, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 120, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 120, 127);  
box-shadow:4px 4px 4px 4px rgb(123, 120,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 4.271, 306.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 120, 127) }
```

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

```
.background{ background-color: rgb(123,  
120, 127) }
```

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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