

Converting Colors

CIELCh(47, 13.070, 310.285)

Have a look what the booklet for
CIELCh(47, 13.070, 310.285)
contains.

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Color

CIELCh(47, 13.227, 310.598)

Conversions

Conversions Part 1

Format	Color
Hex	766B80
RGB	118, 107, 128
RGB Percent	46%, 42%, 50%
CMY	0.5360, 0.5792, 0.4968
CMYK	0.08, 0.16, 0.00, 0.50
HSL	271°, 9%, 46%
HSV	271°, 16%, 50%
XYZ	16.7203, 16.0195, 22.7418
YIQ	112.6830, -0.1850, 8.8630

Conversions

Conversions Part 2

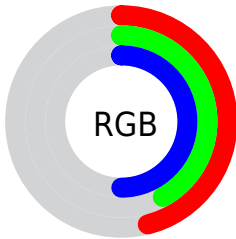
Format	Color
R_{YB}	118, 107, 128
Decimal	7760768
CIE _{Lab}	47.00, 8.61, -10.04
CIE _{LCh}	47, 13.227, 310.598
Yxy	16.0195, 0.3014, 0.2887
Android (android.graphics.Color)	4285950848 (0xFF766B80)
YUV	112.6830, 7.5513, 4.6630
Hunter-Lab	40.0243, 4.5263, -5.6716

Details

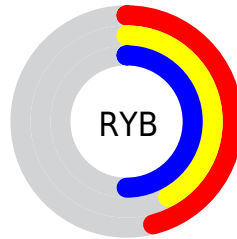
The CIELCh color $47, 13.227, 310.598$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 12.959, 129.204$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 13.533, 310.375$, and $27, 13.133, 310.979$ is the 20% darker color. If you saturate the color by 10%, you get $43, 21.566, 311.075$, and if you desaturate by 10%, it is $51, 5.081, 310.142$.

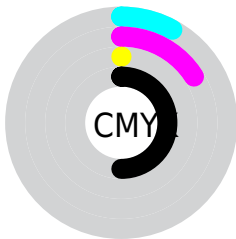
Distribution



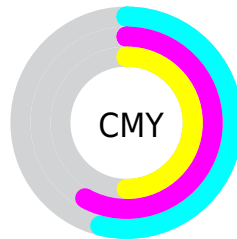
- Red (46%)
- Green (42%)
- Blue (50%)



- Red (46%)
- Yellow (42%)
- Blue (50%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)
- Black (50%)




- Cyan (54%)
- Magenta (58%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 13.227, 310.598 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 47, 13.227, 310.598 by changing the saturation by 10% instead.

 47, 13.227,
310.598


 47, 13.227,
310.598


 100, 13.227,
310.598


 37, 13.227,
310.598

 67, 13.227,
310.598


 27, 13.227,
310.598

 77, 13.227,
310.598

 17, 13.227,
310.598


 87, 13.227,
310.598

 7, 13.227, 310.598

 97, 13.227,
310.598

 0, 13.227, 310.598

 47, 13.227,

 47, 13.227,

310.598

43, 21.566,
311.075

39, 30.049,
311.572

35, 38.581,
312.070

31, 46.995,
312.537

28, 55.029,
312.923

25, 62.294,
313.158

22, 68.293,
313.152

20, 72.754,
312.869

310.598

51, 5.081, 310.142

55, 2.841, 129.786

59, 10.534,
129.395

63, 17.997,
129.063

67, 25.236,
128.769

72, 32.260,
128.512

76, 39.079,
128.286

80, 45.705,
128.089

■ 19, 74.374,
312.800

■ 84, 52.147,
127.919

Harmonies

Complementary

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



47, 13.227, 310.598



52, 12.959, 129.204

Rectangle

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



47, 13.227, 310.598



47, 13.227, 0.598



47, 13.227, 130.598



47, 13.227, 180.598

Sweetspot

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



47, 13.226, 310.597



65, 4.909, 310.085



49, 7.366, 259.420



34, 3.377, 310.112



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 13.226, 310.597



58, 20.021, 310.789



48, 14.780, 325.742



25, 4.487, 310.265



19, 74.028, 312.807



0, 0.000, 0.000

Inverse Universe

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



48, 10.417, 346.314



59, 15.752, 346.705



52, 14.765, 143.918



25, 3.537, 345.645



26, 50.637, 2.735



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 13.227, 310.598 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 47, 13.227, 310.598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

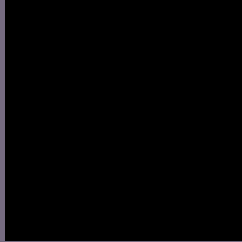
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 13.227, 310.598

Background



This preview shows how black text looks on a background with the CIELCh color 47, 13.227, 310.598.



This preview shows how white text looks on a background with the CIELCh color 47, 13.227, 310.598.

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


47, 13.227, 310.598

Protanopia

47, 11.278, 285.939

Deuteranopia

47, 11.461, 301.344



Tritanopia
47, 6.256, 321.723

Trichromacy



Original Color
47, 13.227, 310.598

Protanomaly
47, 11.296, 295.566

Deuteranomaly
47, 12.307, 306.280

Tritanomaly
47, 9.077, 314.342

Monochromacy



Original Color
47, 13.227, 310.598

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 5.016, 309.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 13.227, 310.598 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, 107, 128)` looks like.

```
.text, #text, p{  
    color:rgb(118, 107, 128)  
}
```

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, 107, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 107, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 13.227, 310.598 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, 107, 128) }
```

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

```
.border{ border-color:rgb(118, 107, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 107, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 107, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 107, 128);  
box-shadow:4px 4px 4px 4px rgb(118, 107,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 13.227, 310.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 107, 128) }
```

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

```
.background{ background-color: rgb(118,  
107, 128) }
```

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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