

Converting Colors

CIELCh(47, 13.718, 319.474)

Have a look what the booklet for
CIELCh(47, 13.718, 319.474)
contains.

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Color

CIELCh(47, 13.477, 319.475)

Conversions

Conversions Part 1

Format	Color
Hex	7A6A7E
RGB	122, 106, 126
RGB Percent	48%, 42%, 49%
CMY	0.5207, 0.5834, 0.5050
CMYK	0.03, 0.16, 0.00, 0.50
HSL	288°, 9%, 46%
HSV	288°, 16%, 50%
XYZ	17.0150, 16.0195, 22.0104
YIQ	113.0640, 3.1160, 9.6120

Conversions

Conversions Part 2

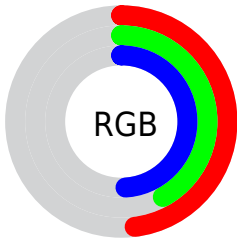
Format	Color
R_{YB}	122, 106, 126
Decimal	8022654
CIE _{Lab}	47.00, 10.24, -8.76
CIE _{LCh}	47, 13.477, 319.475
Yxy	16.0195, 0.3091, 0.2910
Android (android.graphics.Color)	4286212734 (0xFF7A6A7E)
YUV	113.0640, 6.3774, 7.8369
Hunter-Lab	40.0243, 5.8409, -4.5881

Details

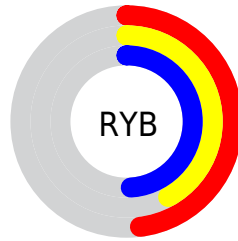
The CIELCh color $[47, 13.477, 319.475]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[51, 13.374, 138.092]$, and the grayscale version is $[48, 0.006, 296.813]$.

A 20% lighter version of the original color is $[67, 13.766, 318.503]$, and $[27, 13.197, 319.059]$ is the 20% darker color. If you saturate the color by 10%, you get $[43, 22.106, 319.909]$, and if you desaturate by 10%, it is $[51, 4.933, 319.028]$.

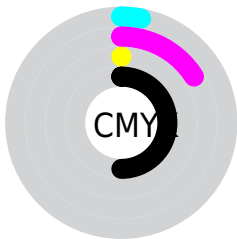
Distribution



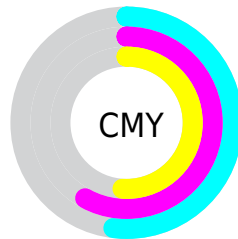
- Red (48%)
- Green (42%)
- Blue (49%)



- Red (48%)
- Yellow (42%)
- Blue (49%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)
- Black (50%)





- Cyan (52%)
- Magenta (58%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 13.477, 319.475 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, 13.477, 319.475 by changing the saturation by 10% instead.

 47, 13.477,
319.475


 47, 13.477,
319.475


 100, 13.477,
319.475


 37, 13.477,
319.475

 67, 13.477,
319.475


 27, 13.477,
319.475

 77, 13.477,
319.475


 17, 13.477,
319.475


 87, 13.477,
319.475

 7, 13.477, 319.475

 97, 13.477,
319.475

 0, 13.477, 319.475

 47, 13.477,

 47, 13.477,

319.475

43, 22.106,
319.909

40, 30.714,
320.327

37, 39.138,
320.713

33, 47.143,
321.038

31, 54.427,
321.269

28, 60.628,
321.369

26, 65.392,
321.295

25, 68.617,
321.035

319.475

51, 4.933, 319.028

54, 3.453, 138.686

58, 11.644,
138.259

62, 19.617,
137.881

66, 27.366,
137.531

70, 34.891,
137.209

73, 42.197,
136.912

77, 49.292,
136.642

■ 25, 69.875,
320.928

■ 81, 56.186,
136.396

Harmonies

Complementary

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



47, 13.477, 319.475



51, 13.374, 138.092

Rectangle

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



47, 13.477, 319.475



47, 13.477, 9.475



47, 13.477, 139.475



47, 13.477, 189.475

Sweetspot

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



47, 13.475, 319.475



65, 5.201, 318.993



47, 9.576, 282.316



33, 3.532, 319.020



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 13.475, 319.475



58, 19.981, 319.631



47, 11.582, 335.320



25, 4.806, 319.177



25, 70.385, 320.921



0, 0.000, 0.000

Inverse Universe

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



47, 8.659, 4.701



58, 12.920, 5.101



51, 11.505, 153.195



25, 3.053, 3.992



26, 54.721, 27.552



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 13.477, 319.475 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, 13.477, 319.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

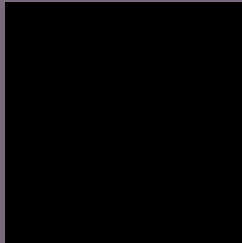
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 13.477, 319.475

Background



This preview shows how black text looks on a background with the CIELCh color 47, 13.477, 319.475.



This preview shows how white text looks on a background with the CIELCh color 47, 13.477, 319.475.

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, 13.477, 319.475

Protanopia

47, 10.691, 285.520

Deuteranopia

47, 10.477, 306.579



Tritanopia
47, 7.118, 338.652

Trichromacy



Original Color
47, 13.477, 319.475

Protanomaly
47, 11.400, 299.431

Deuteranomaly
47, 11.413, 311.573

Tritanomaly
47, 9.569, 327.030

Monochromacy



Original Color
47, 13.477, 319.475

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 4.624, 316.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 13.477, 319.475 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(122, 106, 126)` looks like.

```
.text, #text, p{  
    color:rgb(122, 106, 126)  
}
```

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(122, 106, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 106, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 13.477, 319.475 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(122, 106, 126) }
```

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

```
.border{ border-color:rgb(122, 106, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 106, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 106, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 106, 126);  
box-shadow:4px 4px 4px 4px rgb(122, 106,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 13.477, 319.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 106, 126) }
```

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

```
.background{ background-color: rgb(122,  
106, 126) }
```

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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