

Converting Colors

CIELCh(47, 23.805, 311.190)

Have a look what the booklet for
CIELCh(47, 23.805, 311.190)
contains.

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Color

CIELCh(47, 23.805, 311.190)

Conversions

Conversions Part 1

Format	Color
Hex	7C688E
RGB	124, 104, 142
RGB Percent	49%, 41%, 56%
CMY	0.5153, 0.5937, 0.4447
CMYK	0.13, 0.27, 0.00, 0.44
HSL	272°, 15%, 48%
HSV	272°, 27%, 56%
XYZ	18.0182, 16.0195, 27.5739
YIQ	114.3120, -0.2780, 16.0580

Conversions

Conversions Part 2

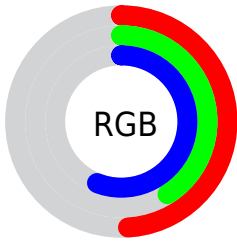
Format	Color
R_{YB}	124, 104, 142
Decimal	8153230
CIE _{Lab}	47.00, 15.68, -17.91
CIE _{LCh}	47, 23.805, 311.190
Yxy	16.0195, 0.2924, 0.2600
Android (android.graphics.Color)	4286343310 (0xFF7C688E)
YUV	114.3120, 13.6502, 8.4964
Hunter-Lab	40.0243, 10.3149, -12.8296

Details

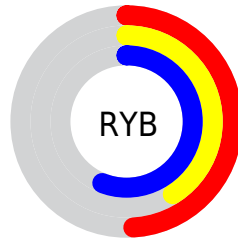
The CIELCh color $47, 23.805, 311.190$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 23.013, 128.795$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 24.097, 311.275$, and $27, 23.875, 311.275$ is the 20% darker color. If you saturate the color by 10%, you get $43, 33.009, 311.690$, and if you desaturate by 10%, it is $51, 14.748, 310.707$.

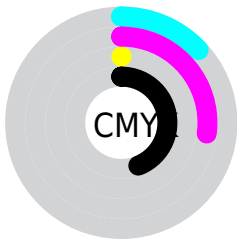
Distribution



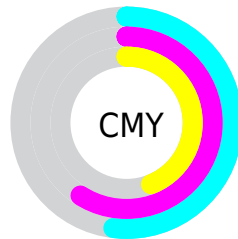
- Red (49%)
- Green (41%)
- Blue (56%)



- Red (49%)
- Yellow (41%)
- Blue (56%)



- Cyan (13%)
- Magenta (27%)
- Yellow (0%)
- Black (44%)



- Cyan (52%)
- Magenta (59%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 23.805, 311.190 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, 23.805, 311.190 by changing the saturation by 10% instead.

■ 47, 23.805,
311.190

■ 47, 23.805,
311.190

■ 100, 23.805,
311.190

■ 37, 23.805,
311.190

■ 67, 23.805,
311.190

■ 27, 23.805,
311.190

■ 77, 23.805,
311.190

■ 17, 23.805,
311.190

■ 87, 23.805,
311.190

■ 7, 23.805, 311.190

■ 97, 23.805,
311.190

■ 0, 23.805, 311.190

■ 47, 23.805,

■ 47, 23.805,

311.190

43, 33.009,
311.690

38, 42.254,
312.189

34, 51.346,
312.652

31, 59.983,
313.026

27, 67.722,
313.237

24, 74.005,
313.191

22, 78.512,
312.843

22, 79.908,
312.752

311.190

51, 14.748,
310.707

56, 5.903, 310.248

60, 2.701, 129.890


65, 11.054,
129.491

69, 19.156,
129.154

74, 27.012,
128.858

78, 34.633,
128.597

82, 42.030,
128.370

 87, 49.215,
128.171

Harmonies

Complementary

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



47, 23.805, 311.190



56, 23.013, 128.795

Rectangle

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



47, 23.805, 311.190



47, 23.805, 1.190



47, 23.805, 131.190



47, 23.805, 181.190

Sweetspot

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



47, 23.804, 311.190



70, 8.573, 310.309



50, 13.021, 261.180



36, 6.082, 310.371



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



47, 23.804, 311.190



57, 35.326, 311.482



49, 26.270, 326.310



28, 4.935, 310.355



20, 77.217, 312.801



0, 3.295, 309.977

Inverse Universe

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



48, 18.643, 347.516



59, 27.572, 348.163



55, 26.262, 143.123



28, 3.883, 345.798



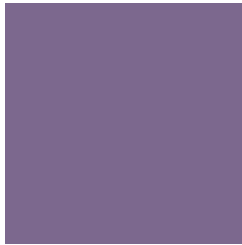
28, 52.781, 3.234



1, 2.592, 345.084

Previews

White Background



This preview shows how the CIELCh color 47, 23.805, 311.190 looks on a white background.

Color Contrast Check

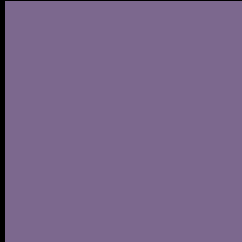
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 23.805, 311.190 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, 23.805, 311.190

Background



This preview shows how black text looks on a background with the CIELCh color 47, 23.805, 311.190.



This preview shows how white text looks on a background with the CIELCh color 47, 23.805, 311.190.

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, 23.805, 311.190

Protanopia

47, 21.410, 285.542

Deuteranopia

47, 18.375, 290.387



Tritanopia
47, 7.238, 332.929

Trichromacy



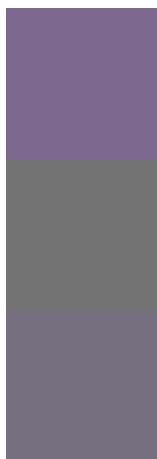
Original Color
47, 23.805, 311.190

Protanomaly
47, 21.374, 294.928

Deuteranomaly
47, 20.343, 299.022

Tritanomaly
47, 13.300, 317.938

Monochromacy



Original Color
47, 23.805, 311.190

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 8.767, 309.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 23.805, 311.190 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(124, 104, 142)` looks like.

```
.text, #text, p{  
    color:rgb(124, 104, 142)  
}
```

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(124, 104, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 104, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 23.805, 311.190 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(124, 104, 142) }
```

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

```
.border{ border-color:rgb(124, 104, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 104, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 104, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 104, 142);  
box-shadow:4px 4px 4px 4px rgb(124, 104,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 23.805, 311.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 104, 142) }
```

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

```
.background{ background-color: rgb(124,  
104, 142) }
```

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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