

Converting Colors

CIELCh(47, 49.192, 310.814)

Have a look what the booklet for
CIELCh(47, 49.192, 310.814)
contains.

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Color

CIELCh(47, 48.904, 310.971)

Conversions

Conversions Part 1

Format	Color
Hex	855EAE
RGB	133, 94, 174
RGB Percent	52%, 37%, 68%
CMY	0.4788, 0.6317, 0.3180
CMYK	0.24, 0.46, 0.00, 0.32
HSL	269°, 33%, 53%
HSV	269°, 46%, 68%
XYZ	21.2817, 16.0195, 41.9628
YIQ	114.7810, -2.4360, 33.1480

Conversions

Conversions Part 2

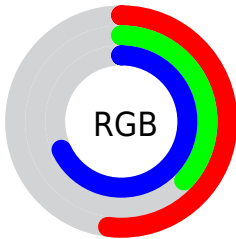
Format	Color
RYB	133, 94, 174
Decimal	8740526
CIELab	47.00, 32.07, -36.92
CIELCh	47, 48.904, 310.971
Yxy	16.0195, 0.2685, 0.2021
Android (android.graphics.Color)	4286930606 (0xFF855EAE)
YUV	114.7810, 29.1950, 15.9781
Hunter-Lab	40.0243, 24.8694, -34.1445

Details

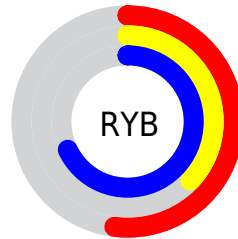
The CIELCh color $47, 48.904, 310.971$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $67, 45.662, 126.502$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 49.110, 311.106$, and $27, 49.084, 311.083$ is the 20% darker color. If you saturate the color by 10%, you get $42, 59.726, 311.495$, and if you desaturate by 10%, it is $52, 37.954, 310.420$.

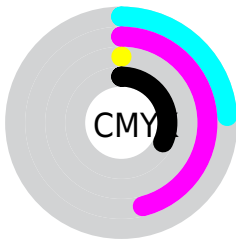
Distribution



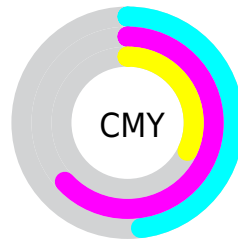
- Red (52%)
- Green (37%)
- Blue (68%)



- Red (52%)
- Yellow (37%)
- Blue (68%)



- Cyan (24%)
- Magenta (46%)
- Yellow (0%)
- Black (32%)





- Cyan (48%)
- Magenta (63%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 48.904, 310.971 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, 48.904, 310.971 by changing the saturation by 10% instead.


 47, 48.904,
310.971


 47, 48.904,
310.971


 100, 48.904,
310.971


 37, 48.904,
310.971

 67, 48.904,
310.971


 27, 48.904,
310.971

 77, 48.904,
310.971

 17, 48.904,
310.971

 87, 48.904,
310.971

 7, 48.904, 310.971

 97, 48.904,
310.971

 0, 48.904, 310.971

 47, 48.904,

 47, 48.904,

310.971

42, 59.726,
311.495

38, 70.063,
311.936

33, 79.368,
312.210

30, 86.925,
312.209

28, 92.083,
311.834

27, 93.858,
311.666

310.971

52, 37.954,
310.420

57, 27.097,
309.876

63, 16.453,
309.360

68, 6.083, 308.876

73, 3.984, 128.490

78, 13.742,
128.088

84, 23.196,
127.745

89, 32.354,
127.445

■ 94, 41.232,
127.183

Harmonies

Complementary

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



47, 48.904, 310.971



67, 45.662, 126.502

Rectangle

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



47, 48.904, 310.971



47, 48.904, 0.971



47, 48.904, 130.971



47, 48.904, 180.971

Sweetspot

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



47, 48.903, 310.971



81, 17.836, 309.274



55, 25.107, 261.766



42, 12.450, 309.379



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



47, 48.903, 310.971



55, 72.844, 311.494



52, 52.731, 326.336



34, 5.755, 309.034



22, 84.259, 311.797



1, 11.807, 305.460

Inverse Universe

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



50, 38.575, 347.602



60, 56.352, 349.060



65, 52.848, 140.507



34, 4.683, 343.693



32, 57.392, 0.089



2, 9.203, 348.129

Previews

White Background



This preview shows how the CIELCh color 47, 48.904, 310.971 looks on a white background.

Color Contrast Check

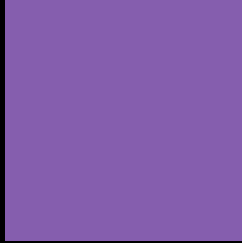
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.904, 310.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

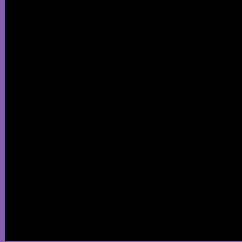
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 48.904, 310.971

Background



This preview shows how black text looks on a background with the CIELCh color 47, 48.904, 310.971.



This preview shows how white text looks on a background with the CIELCh color 47, 48.904, 310.971.

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





Tritanopia
47, 8.436, 341.390

Trichromacy



Original Color
47, 48.904, 310.971

Protanomaly
47, 46.674, 294.327

Deuteranomaly
47, 39.078, 293.424

Tritanomaly
47, 22.894, 317.237

Monochromacy



Original Color
47, 48.904, 310.971

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 18.160, 310.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 48.904, 310.971 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(133, 94, 174)` looks like.

```
.text, #text, p{  
    color:rgb(133, 94, 174)  
}
```

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(133, 94, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 94, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 48.904, 310.971 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(133, 94, 174) }
```

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

```
.border{ border-color:rgb(133, 94, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 94, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 94, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 94, 174);  
box-shadow:4px 4px 4px 4px rgb(133, 94,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 48.904, 310.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 94, 174) }
```

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

```
.background{ background-color: rgb(133, 94,  
174) }
```

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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