

Converting Colors

CIELCh(47, 48.794, 327.907)

Have a look what the booklet for
CIELCh(47, 48.794, 327.907)
contains.

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Color

CIELCh(47, 48.895, 327.639)

Conversions

Conversions Part 1

Format	Color
Hex	9E549C
RGB	158, 84, 156
RGB Percent	62%, 33%, 61%
CMY	0.3803, 0.6705, 0.3881
CMYK	0.00, 0.47, 0.01, 0.38
HSL	302°, 31%, 47%
HSV	302°, 47%, 62%
XYZ	23.2836, 16.0195, 33.3320
YIQ	114.3340, 20.9920, 38.0800

Conversions

Conversions Part 2

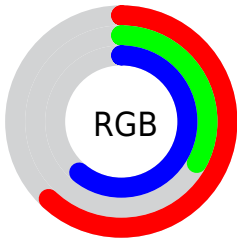
Format	Color
R_{YB}	158, 84, 156
Decimal	10376348
CIE _{Lab}	47.00, 41.30, -26.17
CIE _{LCh}	47, 48.895, 327.639
Yxy	16.0195, 0.3206, 0.2205
Android (android.graphics.Color)	4288566428 (0xFF9E549C)
YUV	114.3340, 20.5413, 38.2951
Hunter-Lab	40.0243, 33.7972, -21.3593

Details

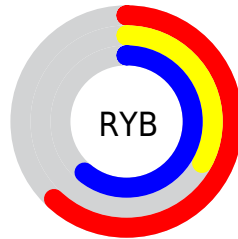
The CIELCh color $47, 48.895, 327.639$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 49.095, 141.494$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 48.975, 327.496$, and $27, 48.887, 328.034$ is the 20% darker color. If you saturate the color by 10%, you get $44, 57.957, 328.093$, and if you desaturate by 10%, it is $50, 38.969, 327.142$.

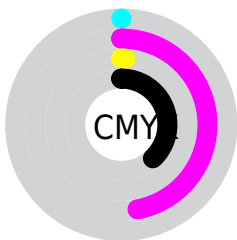
Distribution



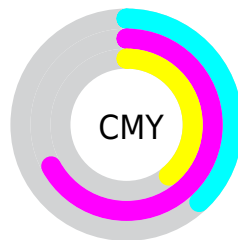
- Red (62%)
- Green (33%)
- Blue (61%)



- Red (62%)
- Yellow (33%)
- Blue (61%)



- Cyan (0%)
- Magenta (47%)
- Yellow (1%)
- Black (38%)



- Cyan (38%)
- Magenta (67%)
- Yellow (39%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 48.895, 327.639 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, 48.895, 327.639 by changing the saturation by 10% instead.

 47, 48.895,
327.639

 47, 48.895,
327.639

 100, 48.895,
327.639

 37, 48.895,
327.639

 67, 48.895,
327.639

 27, 48.895,
327.639

 77, 48.895,
327.639

 17, 48.895,
327.639

 87, 48.895,
327.639

 7, 48.895, 327.639

 97, 48.895,
327.639

 0, 48.895, 327.639

 47, 48.895,

 47, 48.895,

327.639

327.639

■ 44, 57.957,
328.093

■ 50, 38.969,
327.142

■ 41, 65.761,
328.489

■ 54, 28.541,
326.615

■ 39, 71.920,
328.818

■ 58, 17.889,
326.071

■ 38, 76.162,
329.075

■ 62, 7.222, 325.508

■ 37, 78.531,
329.267

■ 66, 3.320, 145.068

■ 37, 79.151,
329.323

■ 71, 13.645,
144.493

■ 75, 23.700,
143.980

■ 80, 33.459,
143.493

■ 84, 42.913,
143.033

Harmonies

Complementary

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



47, 48.895, 327.639



59, 49.095, 141.494

Rectangle

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



47, 48.895, 327.639



47, 48.895, 17.639



47, 48.895, 147.639



47, 48.895, 197.639

Sweetspot

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



47, 48.893, 327.639



76, 18.495, 325.930



39, 45.185, 297.095



39, 12.880, 326.043



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



47, 48.893, 327.639



57, 70.975, 328.104



46, 35.743, 349.437



31, 5.993, 325.648



33, 73.506, 329.313



1, 7.765, 325.345

Inverse Universe

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



47, 48.893, 327.639



57, 70.975, 328.104



60, 33.758, 159.815



31, 5.993, 325.648



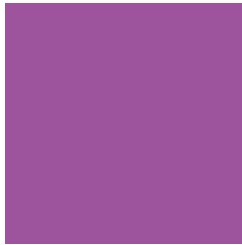
33, 73.506, 329.313



1, 7.765, 325.345

Previews

White Background



This preview shows how the CIELCh color 47, 48.895, 327.639 looks on a white background.

Color Contrast Check

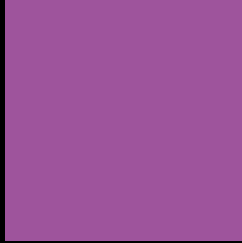
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.895, 327.639 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, 48.895, 327.639

Background



This preview shows how black text looks on a background with the CIELCh color 47, 48.895, 327.639.

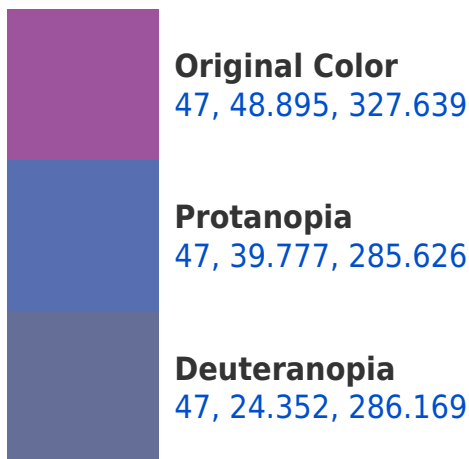


This preview shows how white text looks on a background with the CIELCh color 47, 48.895, 327.639.

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, 24.387, 13.220

Trichromacy



Original Color
47, 48.895, 327.639

Protanomaly
47, 40.606, 300.785

Deuteranomaly
47, 31.853, 307.536

Tritanomaly
47, 30.226, 348.509

Monochromacy



Original Color
47, 48.895, 327.639

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 18.712, 326.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 48.895, 327.639 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(158, 84, 156)` looks like.

```
.text, #text, p{  
    color:rgb(158, 84, 156)  
}
```

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(158, 84, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 84, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 48.895, 327.639 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(158, 84, 156) }
```

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

```
.border{ border-color:rgb(158, 84, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 84, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 84, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 84, 156);  
box-shadow:4px 4px 4px 4px rgb(158, 84,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 48.895, 327.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 84, 156) }
```

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

```
.background{ background-color: rgb(158, 84,  
156) }
```

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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