

Converting Colors

CIELCh(51, 47.805, 327.563)

Have a look what the booklet for
CIELCh(51, 47.805, 327.563)
contains.

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Color

CIELCh(51, 47.931, 327.496)

Conversions

Conversions Part 1

Format	Color
Hex	A85FA6
RGB	168, 95, 166
RGB Percent	66%, 37%, 65%
CMY	0.3411, 0.6274, 0.3489
CMYK	0.00, 0.43, 0.01, 0.34
HSL	302°, 30%, 52%
HSV	302°, 43%, 66%
XYZ	27.1313, 19.2686, 38.3752
YIQ	124.9210, 20.7170, 37.5570

Conversions

Conversions Part 2

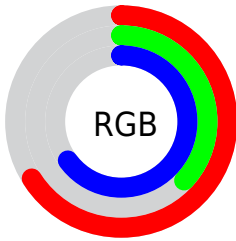
Format	Color
R_{YB}	168, 95, 166
Decimal	11034534
CIE _{Lab}	51.00, 40.42, -25.76
CIE _{LCh}	51, 47.931, 327.496
Yxy	19.2686, 0.3200, 0.2273
Android (android.graphics.Color)	4289224614 (0xFFA85FA6)
YUV	124.9210, 20.2519, 37.7803
Hunter-Lab	43.8960, 33.5095, -21.1059

Details

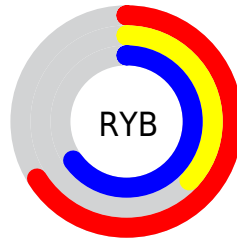
The CIELCh color **51, 47.931, 327.496** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **63, 48.071, 141.833**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 48.170, 327.786**, and **31, 47.828, 327.348** is the 20% darker color. If you saturate the color by 10%, you get **48, 57.783, 327.967**, and if you desaturate by 10%, it is **55, 37.293, 326.985**.

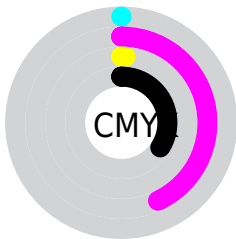
Distribution



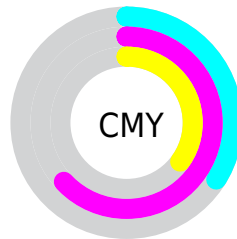
- Red (66%)
- Green (37%)
- Blue (65%)



- Red (66%)
- Yellow (37%)
- Blue (65%)



- Cyan (0%)
- Magenta (43%)
- Yellow (1%)
- Black (34%)



- Cyan (34%)
- Magenta (63%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 47.931, 327.496 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 51, 47.931, 327.496 by changing the saturation by 10% instead.

 51, 47.931,
327.496


 51, 47.931,
327.496

 100, 47.931,
327.496


 41, 47.931,
327.496

 71, 47.931,
327.496

 31, 47.931,
327.496

 81, 47.931,
327.496

 21, 47.931,
327.496

 91, 47.931,
327.496

 11, 47.931,
327.496

 1, 47.931, 327.496

 0, 47.931, 327.496

51, 47.931,
327.496

51, 47.931,
327.496

48, 57.783,
327.967

55, 37.293,
326.985

45, 66.440,
328.385

59, 26.228,
326.449

43, 73.478,
328.738

63, 15.007,
325.897

41, 78.558,
329.019

67, 3.826, 325.306

72, 7.184, 144.862

40, 81.544,
329.229

76, 17.943,
144.321

40, 82.774,
329.343

81, 28.405,
143.816

86, 38.549,
143.336

■ 90, 48.370,
142.883

Harmonies

Complementary

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



51, 47.931, 327.496



63, 48.071, 141.833

Rectangle

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



51, 47.931, 327.496



51, 47.931, 17.496



51, 47.931, 147.496



51, 47.931, 197.496

Sweetspot

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



51, 47.929, 327.496



80, 18.018, 325.885



44, 43.788, 296.524



41, 12.600, 326.004



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



51, 47.929, 327.496



62, 69.912, 327.945



50, 34.953, 348.999



33, 6.311, 325.663



35, 75.387, 329.331



2, 11.370, 325.484

Inverse Universe

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



51, 47.929, 327.496



62, 69.912, 327.945



63, 33.099, 160.222



33, 6.311, 325.663



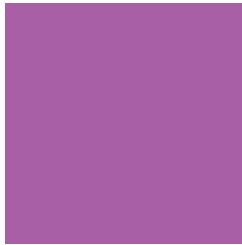
35, 75.387, 329.331



2, 11.370, 325.484

Previews

White Background



This preview shows how the CIELCh color 51, 47.931, 327.496 looks on a white background.

Color Contrast Check

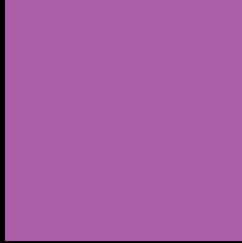
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 47.931, 327.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

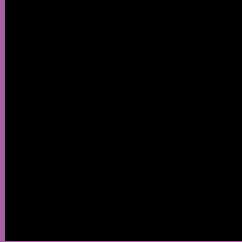
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 47.931, 327.496

Background



This preview shows how black text looks on a background with the CIELCh color 51, 47.931, 327.496.

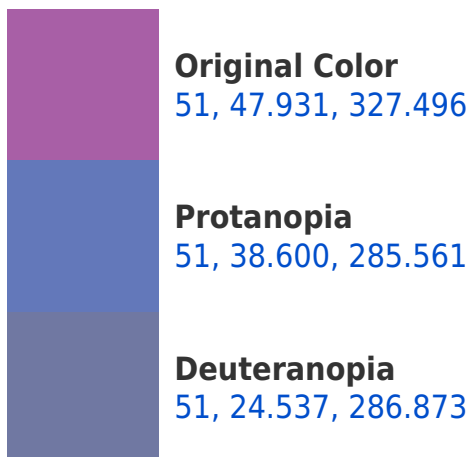


This preview shows how white text looks on a background with the CIELCh color 51, 47.931, 327.496.

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
51, 24.003, 11.528

Trichromacy



Original Color
51, 47.931, 327.496

Protanomaly
51, 40.049, 301.006

Deuteranomaly
51, 31.403, 307.413

Tritanomaly
51, 30.168, 347.274

Monochromacy



Original Color
51, 47.931, 327.496

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 18.433, 326.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 47.931, 327.496 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(168, 95, 166)` looks like.

```
.text, #text, p{  
    color:rgb(168, 95, 166)  
}
```

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(168, 95, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 95, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 47.931, 327.496 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(168, 95, 166) }
```

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

```
.border{ border-color:rgb(168, 95, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 95, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 95, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 95, 166); box-shadow:4px 4px 4px 4px rgb(168, 95, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 47.931, 327.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 95, 166) }
```

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

```
.background{ background-color: rgb(168, 95,  
166) }
```

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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