

Converting Colors

CIELCh(47, 56.283, 308.159)

Have a look what the booklet for
CIELCh(47, 56.283, 308.159)
contains.

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Color

CIELCh(47, 55.906, 308.146)

Conversions

Conversions Part 1

Format	Color
Hex	815DBA
RGB	129, 93, 186
RGB Percent	51%, 36%, 73%
CMY	0.4944, 0.6356, 0.2709
CMYK	0.31, 0.50, 0.00, 0.27
HSL	263°, 40%, 55%
HSV	263°, 50%, 73%
XYZ	21.8045, 16.0195, 48.3533
YIQ	114.3660, -8.3970, 36.5550

Conversions

Conversions Part 2

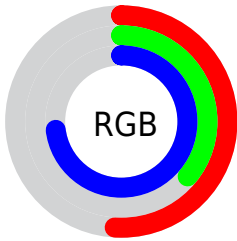
Format	Color
R_{YB}	129, 93, 186
Decimal	8478138
CIE _{Lab}	47.00, 34.53, -43.97
CIE _{LCh}	47, 55.906, 308.146
Yxy	16.0195, 0.2530, 0.1859
Android (android.graphics.Color)	4286668218 (0xFF815DBA)
YUV	114.3660, 35.3156, 12.8340
Hunter-Lab	40.0243, 27.2010, -43.6111

Details

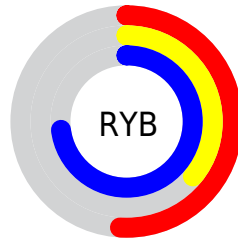
The CIELCh color $47, 55.906, 308.146$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $71, 50.859, 122.546$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 56.190, 308.072$, and $27, 56.023, 308.291$ is the 20% darker color. If you saturate the color by 10%, you get $42, 67.440, 308.843$, and if you desaturate by 10%, it is $53, 44.258, 307.434$.

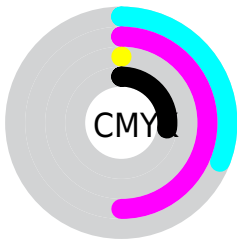
Distribution



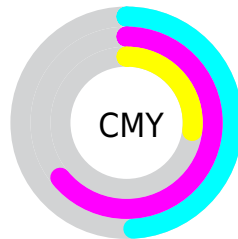
- Red (51%)
- Green (36%)
- Blue (73%)



- Red (51%)
- Yellow (36%)
- Blue (73%)



- Cyan (31%)
- Magenta (50%)
- Yellow (0%)
- Black (27%)





- Cyan (49%)
- Magenta (64%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 55.906, 308.146 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, 55.906, 308.146 by changing the saturation by 10% instead.

 47, 55.906,
308.146


 47, 55.906,
308.146


 100, 55.906,
308.146


 37, 55.906,
308.146

 67, 55.906,
308.146


 27, 55.906,
308.146

 77, 55.906,
308.146

 17, 55.906,
308.146

 87, 55.906,
308.146

 7, 55.906, 308.146

 97, 55.906,
308.146

 0, 55.906, 308.146

 47, 55.906,

 47, 55.906,

308.146

42, 67.440,
308.843

37, 78.420,
309.450

32, 88.141,
309.856

29, 95.680,
309.918

27, 100.773,
309.635

308.146

53, 44.258,
307.434

58, 32.749,
306.749

64, 21.507,
306.114


70, 10.592,
305.536

75, 0.025, 302.026

81, 10.194,
124.587

87, 20.075,
124.189

93, 29.632,
123.844

 97, 35.956,
121.816

Harmonies

Complementary

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



47, 55.906, 308.146



71, 50.859, 122.546

Rectangle

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



47, 55.906, 308.146



47, 55.906, 358.146



47, 55.906, 128.146



47, 55.906, 178.146

Sweetspot

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



47, 55.905, 308.146



85, 19.833, 305.832



60, 25.867, 250.112



44, 13.688, 305.955



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



47, 55.905, 308.146



54, 83.606, 308.907



52, 59.019, 323.481



36, 5.924, 305.499



21, 88.183, 309.779



1, 15.717, 301.367

Inverse Universe

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



52, 46.663, 342.487



63, 67.445, 343.863



69, 58.578, 137.936



36, 5.263, 338.684



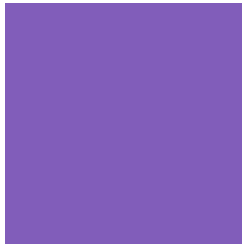
34, 60.918, 351.365



3, 13.133, 344.269

Previews

White Background



This preview shows how the CIELCh color 47, 55.906, 308.146 looks on a white background.

Color Contrast Check

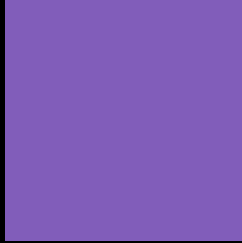
Large Text (above 18pt) WCAG AA ✓ Pass

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, 55.906, 308.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

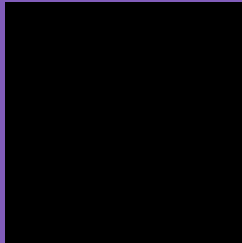
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 55.906, 308.146

Background



This preview shows how black text looks on a background with the CIELCh color 47, 55.906, 308.146.

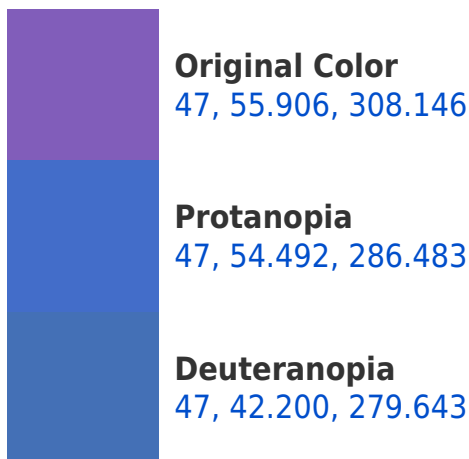


This preview shows how white text looks on a background with the CIELCh color 47, 55.906, 308.146.

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, 6.058, 318.434

Trichromacy



Original Color
47, 55.906, 308.146

Protanomaly
47, 54.871, 293.482

Deuteranomaly
47, 46.173, 290.853

Tritanomaly
47, 24.756, 308.702

Monochromacy



Original Color
47, 55.906, 308.146

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 20.810, 306.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 55.906, 308.146 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(129, 93, 186)` looks like.

```
.text, #text, p{  
    color:rgb(129, 93, 186)  
}
```

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(129, 93, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 93, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 55.906, 308.146 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(129, 93, 186) }
```

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

```
.border{ border-color:rgb(129, 93, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 93, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 93, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 93, 186);  
box-shadow:4px 4px 4px 4px rgb(129, 93,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 55.906, 308.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 93, 186) }
```

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

```
.background{ background-color: rgb(129, 93,  
186) }
```

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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