

Converting Colors

CIELCh(47, 53.166, 317.210)

Have a look what the booklet for
CIELCh(47, 53.166, 317.210)
contains.

CIELCh(47, 53.166, 317.210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 53.166, 317.210)

Conversions

Conversions Part 1

Format	Color
Hex	9258AD
RGB	146, 88, 173
RGB Percent	57%, 35%, 68%
CMY	0.4287, 0.6560, 0.3228
CMYK	0.16, 0.49, 0.00, 0.32
HSL	281°, 34%, 51%
HSV	281°, 49%, 68%
XYZ	22.7770, 16.0195, 41.2676
YIQ	115.0320, 7.2830, 38.7310

Conversions

Conversions Part 2

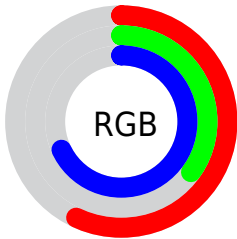
Format	Color
R_{YB}	146, 88, 173
Decimal	9590957
CIE _{Lab}	47.00, 39.02, -36.12
CIE _{LCh}	47, 53.166, 317.210
Yxy	16.0195, 0.2845, 0.2001
Android (android.graphics.Color)	4287781037 (0xFF9258AD)
YUV	115.0320, 28.5782, 27.1589
Hunter-Lab	40.0243, 31.5381, -33.1147

Details

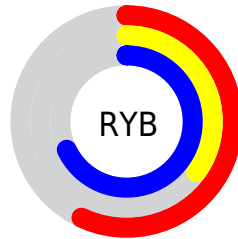
The CIELCh color $47, 53.166, 317.210$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $65, 51.172, 132.753$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 53.045, 317.294$, and $27, 53.030, 317.173$ is the 20% darker color. If you saturate the color by 10%, you get $43, 63.363, 317.519$, and if you desaturate by 10%, it is $51, 42.430, 316.825$.

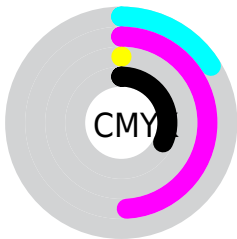
Distribution



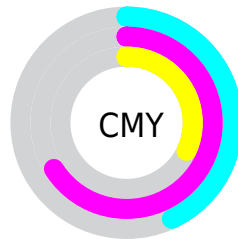
- Red (57%)
- Green (35%)
- Blue (68%)



- Red (57%)
- Yellow (35%)
- Blue (68%)



- Cyan (16%)
- Magenta (49%)
- Yellow (0%)
- Black (32%)





- Cyan (43%)
- Magenta (66%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 53.166, 317.210 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, 53.166, 317.210 by changing the saturation by 10% instead.


 47, 53.166,
317.210

 47, 53.166,
317.210


 100, 53.166,
317.210


 37, 53.166,
317.210

 67, 53.166,
317.210


 27, 53.166,
317.210

 77, 53.166,
317.210

 17, 53.166,
317.210

 87, 53.166,
317.210

 7, 53.166, 317.210

 97, 53.166,
317.210

 0, 53.166, 317.210

 47, 53.166,

 47, 53.166,

317.210

43, 63.363,
317.519

39, 72.575,
317.699

36, 80.253,
317.689

33, 85.854,
317.420

32, 89.409,
316.899

31, 89.678,
316.858

317.210

51, 42.430,
316.825

56, 31.484,
316.401

61, 20.545,
315.965

66, 9.750, 315.531

71, 0.822, 135.331

76, 11.125,
134.772

81, 21.142,
134.414

86, 30.866,
134.090

■ 91, 40.303,
133.797

Harmonies

Complementary

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



47, 53.166, 317.210



65, 51.172, 132.753

Rectangle

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



47, 53.166, 317.210



47, 53.166, 7.210



47, 53.166, 137.210



47, 53.166, 187.210

Sweetspot

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



47, 53.165, 317.210



80, 19.781, 315.794



49, 33.889, 279.904



41, 13.505, 315.882



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



47, 53.165, 317.210



55, 78.039, 317.539



50, 50.025, 332.467



34, 6.016, 315.535



27, 80.974, 316.966



2, 12.303, 312.156

Inverse Universe

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



48, 37.702, 1.087



57, 55.456, 3.463



64, 50.182, 145.169



34, 4.158, 355.549



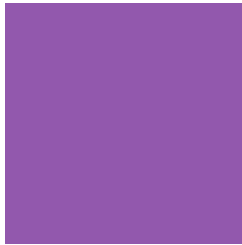
31, 58.415, 18.492



2, 8.374, 358.849

Previews

White Background



This preview shows how the CIELCh color 47, 53.166, 317.210 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, 53.166, 317.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

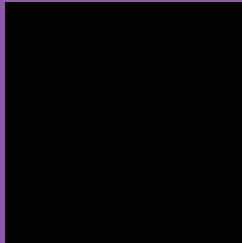
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 53.166, 317.210

Background



This preview shows how black text looks on a background with the CIELCh color 47, 53.166, 317.210.

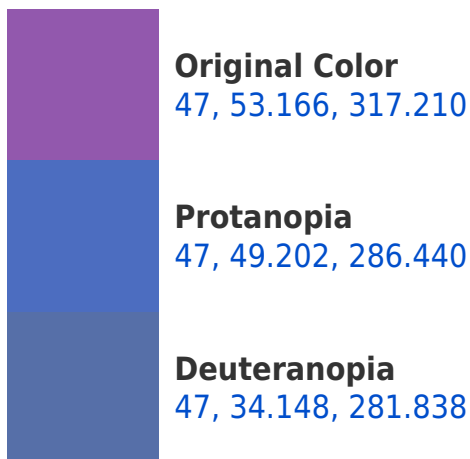


This preview shows how white text looks on a background with the CIELCh color 47, 53.166, 317.210.

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, 14.561, 2.540

Trichromacy



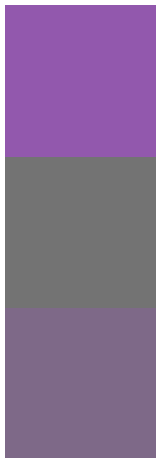
Original Color
47, 53.166, 317.210

Protanomaly
46, 49.735, 296.486

Deuteranomaly
47, 39.791, 297.564

Tritanomaly
47, 26.950, 331.098

Monochromacy



Original Color
47, 53.166, 317.210

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 20.095, 315.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 53.166, 317.210 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(146, 88, 173)` looks like.

```
.text, #text, p{  
    color:rgb(146, 88, 173)  
}
```

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(146, 88, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 88, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 53.166, 317.210 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(146, 88, 173) }
```

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

```
.border{ border-color:rgb(146, 88, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 88, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 88, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 88, 173);  
box-shadow:4px 4px 4px 4px rgb(146, 88,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 53.166, 317.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 88, 173) }
```

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

```
.background{ background-color: rgb(146, 88,  
173) }
```

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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