

Converting Colors

CIELCh(47, 98.840, 312.703)

Have a look what the booklet for
CIELCh(47, 98.840, 312.703)
contains.

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Color

CIELCh(47, 98.749, 312.681)

Conversions

Conversions Part 1

Format	Color
Hex	963EEC
RGB	150, 62, 236
RGB Percent	59%, 24%, 93%
CMY	0.4112, 0.7564, 0.0740
CMYK	0.36, 0.74, 0.00, 0.07
HSL	270°, 82%, 58%
HSV	270°, 74%, 93%
XYZ	29.4908, 16.0195, 80.9939
YIQ	108.1480, -3.4060, 72.7700

Conversions

Conversions Part 2

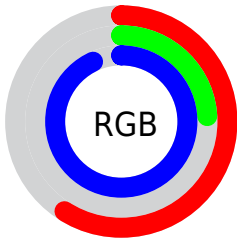
Format	Color
R _{YB}	150, 62, 236
Decimal	9846508
CIE _{Lab}	47.00, 66.94, -72.59
CIE _{LCh}	47, 98.749, 312.681
Yxy	16.0195, 0.2331, 0.1266
Android (android.graphics.Color)	4288036588 (0xFF963EEC)
YUV	108.1480, 63.0310, 36.7042
Hunter-Lab	40.0243, 61.4801, -91.9633

Details

The CIELCh color **47, 98.749, 312.681** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **85, 88.441, 126.539**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 79.810, 317.156**, and **28, 95.598, 311.987** is the 20% darker color. If you saturate the color by 10%, you get **43, 108.489, 312.672**, and if you desaturate by 10%, it is **52, 86.780, 312.416**.

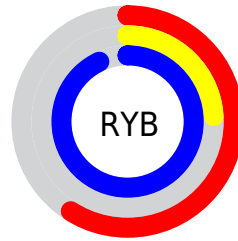
Distribution



Red (59%)

Green (24%)

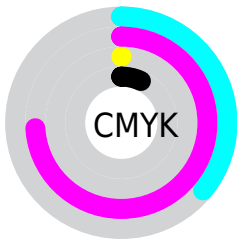
Blue (93%)



Red (59%)

Yellow (24%)

Blue (93%)

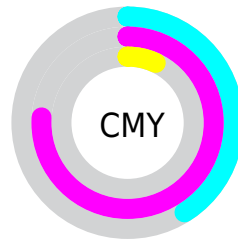


Cyan (36%)

Magenta (74%)

Yellow (0%)

Black (7%)



Cyan (41%)

Magenta (76%)

Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 98.749, 312.681 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, 98.749, 312.681 by changing the saturation by 10% instead.

 47, 98.749,
312.681


 47, 98.749,
312.681


 100, 98.749,
312.681

 37, 98.749,
312.681

 67, 98.749,
312.681


 27, 98.749,
312.681

 77, 98.749,
312.681

 17, 98.749,
312.681

 87, 98.749,
312.681

 7, 98.749, 312.681

 97, 98.749,
312.681

 0, 98.749, 312.681

 47, 98.749,

 47, 98.749,

312.681

312.681

■ 43, 108.489,
312.672

■ 52, 86.780,
312.416

■ 39, 115.087,
312.274

■ 58, 73.504,
311.985

■ 38, 117.781,
311.854

■ 64, 59.621,
311.470

■ 71, 45.590,
310.928

■ 77, 31.687,
310.394

■ 84, 18.066,
309.887

■ 91, 4.804, 309.402

■ 98, 8.065, 129.028

100, 9.552,
109.454

Harmonies

Complementary

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



47, 98.749, 312.681



85, 88.441, 126.539

Rectangle

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



47, 98.749, 312.681



47, 98.749, 2.681



47, 98.749, 132.681



47, 98.749, 182.681

Sweetspot

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



47, 98.749, 312.681



84, 31.257, 310.311



60, 51.338, 273.181



43, 21.075, 310.454



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 98.749, 312.681



44, 118.719, 312.540



59, 98.022, 327.883



46, 7.414, 309.683



28, 96.356, 312.046



4, 37.707, 311.806

Inverse Universe

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



56, 72.008, 354.125



56, 82.788, 358.601



83, 100.112, 137.663



46, 5.937, 344.717



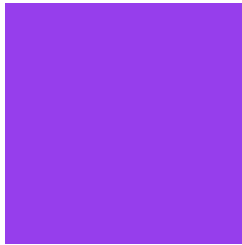
39, 65.483, 2.480



8, 28.555, 355.653

Previews

White Background



This preview shows how the CIELCh color 47, 98.749, 312.681 looks on a white background.

Color Contrast Check

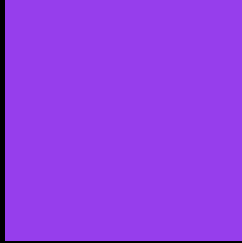
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.749, 312.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

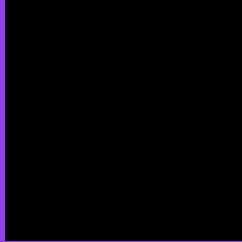
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 98.749, 312.681

Background



This preview shows how black text looks on a background with the CIELCh color 47, 98.749, 312.681.



This preview shows how white text looks on a background with the CIELCh color 47, 98.749, 312.681.

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



Original Color

47, 98.749, 312.681

Protanopia

47, 70.354, 286.983

Deuteranopia

47, 50.857, 275.428



Tritanopia
47, 9.493, 350.813

Trichromacy



Original Color
47, 98.749, 312.681



Protanomaly
44, 82.134, 295.783



Deuteranomaly
44, 69.065, 292.373



Tritanomaly
46, 43.190, 316.321

Monochromacy



Original Color
47, 98.749, 312.681



Achromatopsia
46, 0.006, 296.813



Achromatomaly
44, 39.876, 311.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 98.749, 312.681 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(150, 62, 236)` looks like.

```
.text, #text, p{  
    color:rgb(150, 62, 236)  
}
```

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(150, 62, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 62, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 98.749, 312.681 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(150, 62, 236) }
```

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

```
.border{ border-color:rgb(150, 62, 236) }
```

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

Here you see how a box with a 4 pixel rgb(150, 62, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 62, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 62, 236);  
box-shadow:4px 4px 4px 4px rgb(150, 62,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 98.749, 312.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 62, 236) }
```

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

```
.background{ background-color: rgb(150, 62,  
236) }
```

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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