

Converting Colors

CIELCh(49, 105.600, 310.685)

Have a look what the booklet for
CIELCh(49, 105.600, 310.685)
contains.

CIELCh(49, 105.660, 310.755)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(49, 105.660, 310.755)

Conversions

Conversions Part 1

Format	Color
Hex	9443FF
RGB	148, 67, 255
RGB Percent	58%, 26%, 100%
CMY	0.4186, 0.7364, 0.0000
CMYK	0.42, 0.74, 0.00, 0.00
HSL	266°, 100%, 63%
HSV	266°, 74%, 100%
XYZ	32.3642, 17.5941, 96.4943
YIQ	112.6510, -12.0720, 75.6400

Conversions

Conversions Part 2

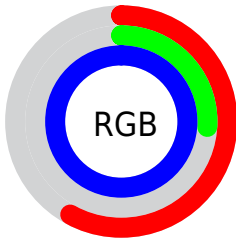
Format	Color
R _Y B	148, 67, 255
Decimal	9716735
CIE Lab	49.00, 68.98, -80.04
CIE LCh	49, 105.660, 310.755
Yxy	17.5941, 0.2210, 0.1201
Android (android.graphics.Color)	4287906815 (0xFF9443FF)
YUV	112.6510, 70.1781, 31.0011
Hunter-Lab	41.9453, 64.3230, -107.0337

Details

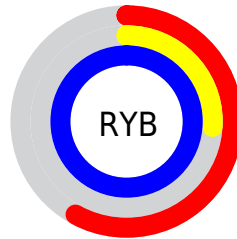
The CIELCh color **49, 105.660, 310.755** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 91.984, 123.849**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 76.910, 316.480**, and **29, 104.315, 310.404** is the 20% darker color. If you saturate the color by 10%, you get **44, 116.458, 310.903**, and if you desaturate by 10%, it is **55, 92.332, 310.350**.

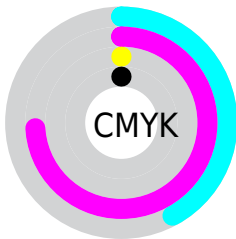
Distribution



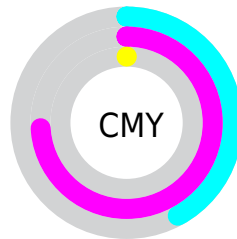
- Red (58%)
- Green (26%)
- Blue (100%)



- Red (58%)
- Yellow (26%)
- Blue (100%)



- Cyan (42%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (74%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 105.660, 310.755 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 49, 105.660, 310.755 by changing the saturation by 10% instead.


 49, 105.660,
310.755


 49, 105.660,
310.755


 100, 105.660,
310.755


 39, 105.660,
310.755


 69, 105.660,
310.755


 29, 105.660,
310.755


 79, 105.660,
310.755

 19, 105.660,
310.755


 89, 105.660,
310.755

 9, 105.660,
310.755

 99, 105.660,
310.755

 0, 105.660,
310.755

 49, 105.660,

 49, 105.660,

310.755

■ 44, 116.458,
310.903

■ 40, 123.918,
310.618

■ 39, 126.912,
310.237

310.755

■ 55, 92.332,
310.350

■ 61, 77.876,
309.777

■ 68, 62.937,
309.140

■ 75, 47.976,
308.498

■ 83, 33.252,
307.885

■ 90, 18.897,
307.317

■ 97, 4.969, 306.789

■ 100, 0.012,
296.813

Harmonies

Complementary

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



49, 105.660, 310.755



92, 91.984, 123.849

Rectangle

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



49, 105.660, 310.755



49, 105.660, 0.755



49, 105.660, 130.755



49, 105.660, 180.755

Sweetspot

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



49, 105.548, 310.768



84, 30.873, 307.788



69, 47.922, 263.108



43, 20.826, 307.948



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 105.548, 310.768



42, 120.192, 310.838



61, 103.756, 325.139



49, 7.827, 307.096



28, 102.011, 310.426



5, 44.917, 311.021

Inverse Universe

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



60, 79.007, 348.953



57, 84.951, 352.496



89, 104.747, 136.535



50, 6.688, 340.845



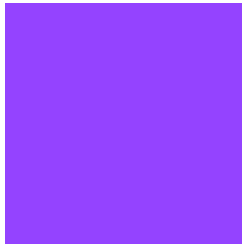
42, 69.476, 355.755



11, 32.677, 351.240

Previews

White Background



This preview shows how the CIELCh color 49, 105.660, 310.755 looks on a white background.

Color Contrast Check

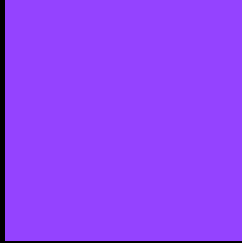
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 105.660, 310.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

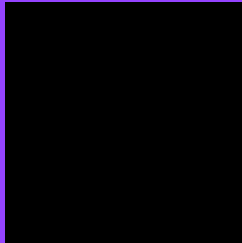
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 105.660, 310.755

Background



This preview shows how black text looks on a background with the CIELCh color 49, 105.660, 310.755.



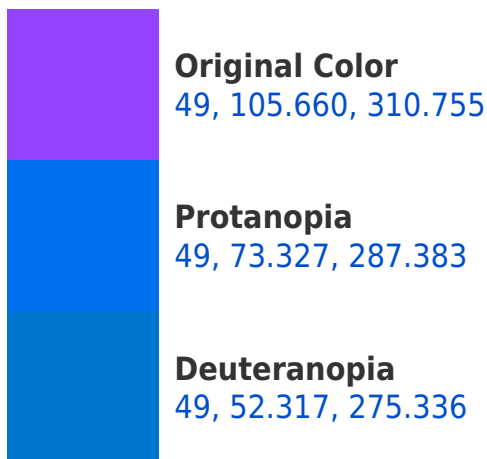
This preview shows how white text looks on a background with the CIELCh color 49, 105.660, 310.755.

310.755.

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
49, 5.553, 307.421

Trichromacy



Original Color
49, 105.660, 310.755



Protanomaly
47, 86.607, 295.672



Deuteranomaly
46, 72.590, 292.164



Tritanomaly
47, 45.048, 309.076

Monochromacy



Original Color
49, 105.660, 310.755



Achromatopsia
48, 0.006, 296.813



Achromatomaly
46, 42.226, 309.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 105.660, 310.755 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(148, 67, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 67, 255)  
}
```

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(148, 67, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 67, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 105.660, 310.755 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(148, 67, 255) }
```

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

```
.border{ border-color:rgb(148, 67, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 67, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 67, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 67, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 67,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 105.660, 310.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 67, 255) }
```

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

```
.background{ background-color: rgb(148, 67,  
255) }
```

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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