

Converting Colors

CIELCh(49, 111.599, 315.217)

Have a look what the booklet for
CIELCh(49, 111.599, 315.217)
contains.

CIELCh(49, 111.635, 315.182)	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, 111.635, 315.182)

Conversions

Conversions Part 1

Format	Color
Hex	AA2EFD
RGB	170, 46, 253
RGB Percent	67%, 18%, 99%
CMY	0.3333, 0.8196, 0.0078
CMYK	0.33, 0.82, 0.00, 0.01
HSL	276°, 98%, 59%
HSV	276°, 82%, 99%
XYZ	35.2874, 17.5941, 94.4719
YIQ	106.6740, 7.4570, 90.6650

Conversions

Conversions Part 2

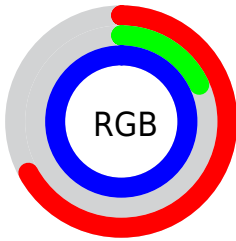
Format	Color
RYB	170, 46, 253
Decimal	11153149
CIELab	49.00, 79.19, -78.69
CIELCh	49, 111.635, 315.182
Yxy	17.5941, 0.2395, 0.1194
Android (android.graphics.Color)	4289343229 (0xFFAA2EFD)
YUV	106.6740, 72.1387, 55.5369
Hunter-Lab	41.9453, 76.7630, -104.1751

Details

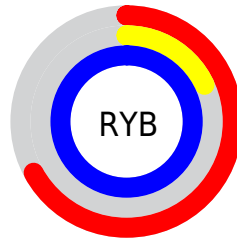
The CIELCh color **49, 111.635, 315.182** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **89, 102.896, 129.727**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 85.855, 322.308**, and **32, 100.723, 313.280** is the 20% darker color. If you saturate the color by 10%, you get **46, 118.417, 314.763**, and if you desaturate by 10%, it is **53, 101.671, 315.262**.

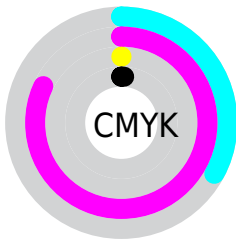
Distribution



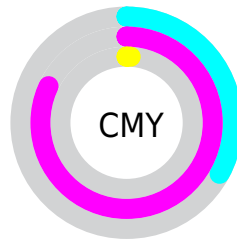
- Red (67%)
- Green (18%)
- Blue (99%)



- Red (67%)
- Yellow (18%)
- Blue (99%)



- Cyan (33%)
- Magenta (82%)
- Yellow (0%)
- Black (1%)





- Cyan (33%)
- Magenta (82%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 111.635, 315.182 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, 111.635, 315.182 by changing the saturation by 10% instead.


 49, 111.635,
315.182


 49, 111.635,
315.182


 100, 111.635,
315.182


 39, 111.635,
315.182


 69, 111.635,
315.182


 29, 111.635,
315.182


 79, 111.635,
315.182


 19, 111.635,
315.182


 89, 111.635,
315.182

 9, 111.635,
315.182

 99, 111.635,
315.182

 0, 111.635,
315.182

 49, 111.635,

 49, 111.635,

315.182

■ 46, 118.417,
314.763

■ 44, 121.646,
314.171

315.182

■ 53, 101.671,
315.262

■ 59, 89.351,
315.093

■ 64, 75.552,
314.762

■ 71, 60.984,
314.340

■ 77, 46.143,
313.876

■ 84, 31.345,
313.405

■ 91, 16.779,
312.944

■ 98, 2.551, 312.456

100, 0.998,
110.026

Harmonies

Complementary

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



49, 111.635, 315.182



89, 102.896, 129.727

Rectangle

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



49, 111.635, 315.182



49, 111.635, 5.182



49, 111.635, 135.182



49, 111.635, 185.182

Sweetspot

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



49, 111.634, 315.182



83, 36.272, 313.555



56, 69.426, 284.588



42, 24.828, 313.721



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, 111.634, 315.182



45, 121.649, 314.314



61, 102.879, 331.184



49, 8.104, 312.840



33, 98.422, 314.356



7, 44.668, 315.640

Inverse Universe

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



57, 78.664, 4.191



54, 84.490, 11.694



88, 108.211, 138.356



50, 5.992, 350.175



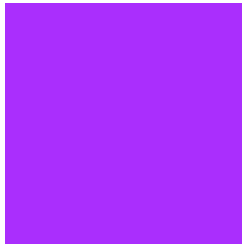
41, 68.314, 11.715



10, 31.303, 4.708

Previews

White Background



This preview shows how the CIELCh color 49, 111.635, 315.182 looks on a white background.

Color Contrast Check

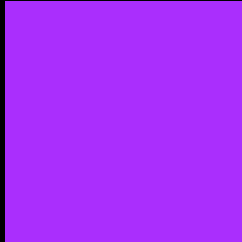
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 111.635, 315.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

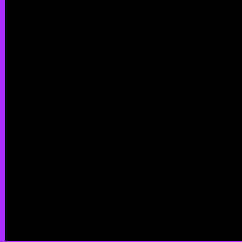
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 111.635, 315.182

Background



This preview shows how black text looks on a background with the CIELCh color 49, 111.635, 315.182.



This preview shows how white text looks on a background with the CIELCh color 49, 111.635, 315.182.

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


49, 111.635, 315.182

Protanopia

49, 73.327, 287.383

Deuteranopia

49, 52.827, 275.715



Tritanopia
49, 16.924, 5.666

Trichromacy



Original Color
49, 111.635, 315.182



Protanomaly
45, 90.915, 298.121



Deuteranomaly
44, 77.529, 295.496



Tritanomaly
47, 52.502, 322.845

Monochromacy



Original Color
49, 111.635, 315.182



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 47.139, 314.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 111.635, 315.182 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(170, 46, 253)` looks like.

```
.text, #text, p{  
    color:rgb(170, 46, 253)  
}
```

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(170, 46, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 46, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 111.635, 315.182 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(170, 46, 253) }
```

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

```
.border{ border-color:rgb(170, 46, 253) }
```

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

Here you see how a box with a 4 pixel rgb(170, 46, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 46, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 46, 253);  
box-shadow:4px 4px 4px 4px rgb(170, 46,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 111.635, 315.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 46, 253) }
```

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

```
.background{ background-color: rgb(170, 46,  
253) }
```

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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