

Converting Colors

CIELCh(44, 114.933, 310.067)

Have a look what the booklet for
CIELCh(44, 114.933, 310.067)
contains.

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Color

CIELCh(44, 115.003, 310.074)

Conversions

Conversions Part 1

Format	Color
Hex	812FFF
RGB	129, 47, 255
RGB Percent	51%, 18%, 100%
CMY	0.4956, 0.8172, 0.0014
CMYK	0.49, 0.82, 0.00, 0.00
HSL	264°, 100%, 59%
HSV	264°, 82%, 100%
XYZ	27.9910, 13.8382, 95.5074
YIQ	95.2300, -17.8960, 82.0720

Conversions

Conversions Part 2

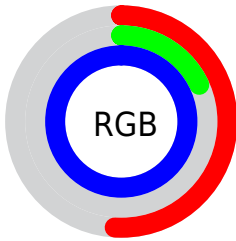
Format	Color
R_{YB}	129, 47, 255
Decimal	8466431
CIE _{Lab}	44.00, 74.04, -88.00
CIE _{LCh}	44, 115.003, 310.074
Yxy	13.8382, 0.2038, 0.1008
Android (android.graphics.Color)	4286656511 (0xFF812FFF)
YUV	95.2300, 78.7666, 29.6163
Hunter-Lab	37.1997, 69.2129, -126.1826

Details

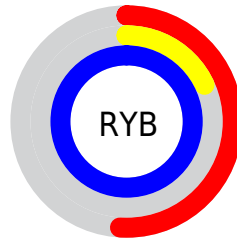
The CIELCh color **44, 115.003, 310.074** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **92, 97.222, 122.668**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 85.814, 314.435**, and **27, 106.995, 308.280** is the 20% darker color. If you saturate the color by 10%, you get **40, 123.477, 309.969**, and if you desaturate by 10%, it is **49, 103.264, 309.775**.

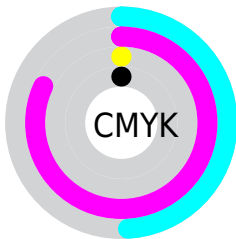
Distribution



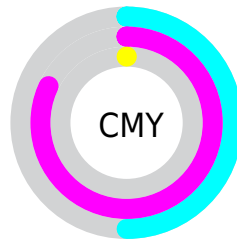
- Red (51%)
- Green (18%)
- Blue (100%)



- Red (51%)
- Yellow (18%)
- Blue (100%)



- Cyan (49%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (82%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 115.003, 310.074 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 44, 115.003, 310.074 by changing the saturation by 10% instead.


 44, 115.003,
310.074


 44, 115.003,
310.074


 100, 115.003,
310.074


 34, 115.003,
310.074


 64, 115.003,
310.074


 24, 115.003,
310.074


 74, 115.003,
310.074


 14, 115.003,
310.074


 84, 115.003,
310.074

 4, 115.003,
310.074

 94, 115.003,
310.074

 0, 115.003,
310.074

 44, 115.003,

 44, 115.003,

310.074

310.074

40, 123.477,
309.969

49, 103.264,
309.775

38, 127.759,
309.557

55, 89.506,
309.223

62, 74.771,
308.546

69, 59.745,
307.834

76, 44.826,
307.138

84, 30.221,
306.488

91, 16.029,
305.895

99, 2.289, 305.330

100, 0.166,
109.701

Harmonies

Complementary

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



44, 115.003, 310.074



92, 97.222, 122.668

Rectangle

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



44, 115.003, 310.074



44, 115.003, 0.074



44, 115.003, 130.074



44, 115.003, 180.074

Sweetspot

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



44, 115.003, 310.075



81, 35.051, 306.697



68, 49.448, 261.926



41, 24.041, 306.926



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 115.003, 310.075



38, 126.944, 309.655



58, 109.697, 324.051



49, 7.777, 305.773



28, 102.794, 309.738



5, 44.891, 310.041

Inverse Universe

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



58, 84.471, 348.128



56, 87.283, 352.459



88, 110.709, 135.625



50, 6.865, 339.046



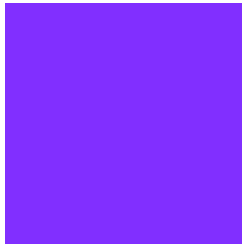
42, 70.543, 352.479



11, 33.244, 348.546

Previews

White Background



This preview shows how the CIE LCh color 44, 115.003, 310.074 looks on a white background.

Color Contrast Check

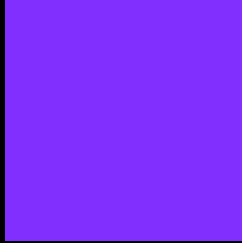
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 115.003, 310.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

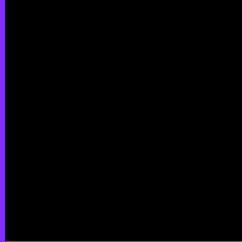
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 115.003, 310.074

Background



This preview shows how black text looks on a background with the CIELCh color 44, 115.003, 310.074.

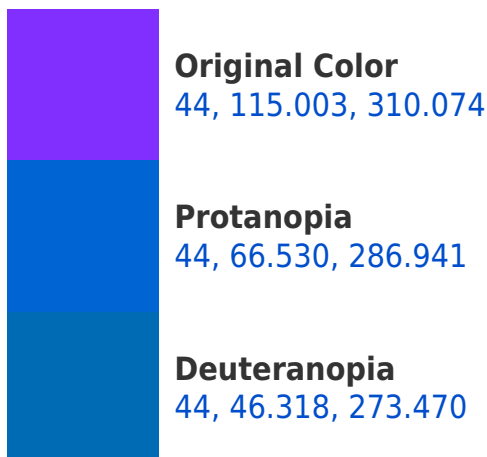


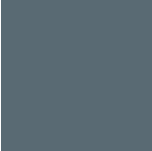
This preview shows how white text looks on a background with the CIELCh color 44, 115.003, 310.074.

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
44, 8.295, 239.634

Trichromacy



Original Color
44, 115.003, 310.074



Protanomaly
41, 86.964, 297.505



Deuteranomaly
41, 73.944, 294.547



Tritanomaly
41, 49.973, 303.475

Monochromacy



Original Color
44, 115.003, 310.074



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 47.342, 308.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 115.003, 310.074 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, 47, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 47, 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(129, 47, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 47, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 115.003, 310.074 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, 47, 255) }
```

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

```
.border{ border-color:rgb(129, 47, 255) }
```

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

Here you see how a box with a 4 pixel rgb(129, 47, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 47, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 47, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 47,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 115.003, 310.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 47, 255) }
```

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

```
.background{ background-color: rgb(129, 47,  
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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