

Converting Colors

CIELCh(44, 106.080, 310.032)

Have a look what the booklet for
CIELCh(44, 106.080, 310.032)
contains.

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Color

CIELCh(44, 106.202, 309.967)

Conversions

Conversions Part 1

Format	Color
Hex	8137F3
RGB	129, 55, 243
RGB Percent	51%, 22%, 95%
CMY	0.4947, 0.7848, 0.0476
CMYK	0.47, 0.77, 0.00, 0.05
HSL	264°, 89%, 58%
HSV	264°, 77%, 95%
XYZ	26.5479, 13.8382, 85.9566
YIQ	98.5580, -16.2440, 74.1560

Conversions

Conversions Part 2

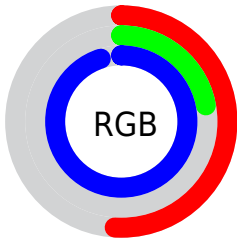
Format	Color
R _Y B	129, 55, 243
Decimal	8468467
CIE Lab	44.00, 68.22, -81.39
CIE LCh	44, 106.202, 309.967
Yxy	13.8382, 0.2101, 0.1095
Android (android.graphics.Color)	4286658547 (0xFF8137F3)
YUV	98.5580, 71.2099, 26.6976
Hunter-Lab	37.1997, 62.2886, -110.9603

Details

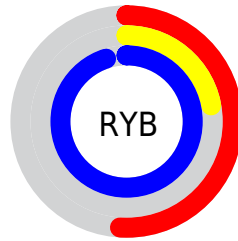
The CIELCh color **44, 106.202, 309.967** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **88, 90.592, 122.457**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 82.974, 313.516**, and **25, 101.302, 308.891** is the 20% darker color. If you saturate the color by 10%, you get **40, 115.916, 310.064**, and if you desaturate by 10%, it is **49, 93.889, 309.536**.

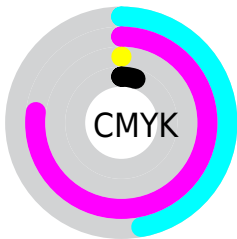
Distribution



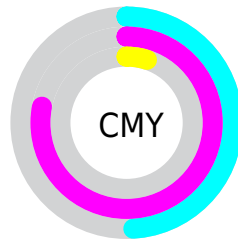
- Red (51%)
- Green (22%)
- Blue (95%)



- Red (51%)
- Yellow (22%)
- Blue (95%)



- Cyan (47%)
- Magenta (77%)
- Yellow (0%)
- Black (5%)





- Cyan (49%)
- Magenta (78%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 106.202, 309.967 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, 106.202, 309.967 by changing the saturation by 10% instead.


 44, 106.202,
309.967


 44, 106.202,
309.967


 100, 106.202,
309.967


 34, 106.202,
309.967


 64, 106.202,
309.967


 24, 106.202,
309.967


 74, 106.202,
309.967


 14, 106.202,
309.967

 84, 106.202,
309.967

 4, 106.202,
309.967

 94, 106.202,
309.967

 0, 106.202,
309.967

 44, 106.202,

 44, 106.202,

309.967

309.967

■ 40, 115.916,
310.064

■ 49, 93.889,
309.536

■ 37, 122.000,
309.695

■ 56, 80.126,
308.915

■ 36, 123.232,
309.573

■ 62, 65.758,
308.215

■ 69, 51.309,
307.506

■ 76, 37.067,
306.829

■ 83, 23.179,
306.203

■ 91, 9.708, 305.635

■ 98, 3.324, 125.173

100, 6.143,
109.706

Harmonies

Complementary

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



44, 106.202, 309.967



88, 90.592, 122.457

Rectangle

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



44, 106.202, 309.967



44, 106.202, 359.967



44, 106.202, 129.967



44, 106.202, 179.967

Sweetspot

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



44, 106.202, 309.968



83, 32.144, 306.550



67, 45.704, 259.914



42, 22.372, 306.781



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, 106.202, 309.968



40, 124.437, 309.906



57, 102.776, 324.064



47, 7.520, 305.749



27, 100.735, 309.747



4, 41.171, 309.263

Inverse Universe

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



57, 79.579, 347.148



56, 87.167, 350.922



85, 103.380, 135.818



48, 6.642, 339.014



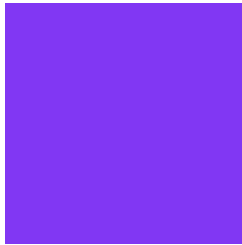
41, 69.179, 352.364



9, 31.593, 348.077

Previews

White Background



This preview shows how the CIELCh color 44, 106.202, 309.967 looks on a white background.

Color Contrast Check

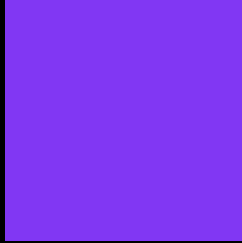
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.202, 309.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

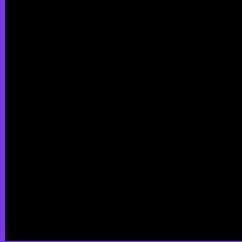
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 106.202, 309.967

Background



This preview shows how black text looks on a background with the CIELCh color 44, 106.202, 309.967.



This preview shows how white text looks on a background with the CIELCh color 44, 106.202, 309.967.

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

44, 106.202, 309.967

Protanopia

44, 66.530, 286.941

Deuteranopia

44, 46.830, 273.925



Tritanopia
44, 6.101, 251.155

Trichromacy



Original Color
44, 106.202, 309.967

Protanomaly
42, 82.886, 296.395

Deuteranomaly
41, 69.763, 293.034

Tritanomaly
42, 44.605, 304.323

Monochromacy



Original Color
44, 106.202, 309.967

Achromatopsia
42, 0.006, 296.813

Achromatomaly
40, 42.912, 307.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 106.202, 309.967 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, 55, 243)` looks like.

```
.text, #text, p{  
    color:rgb(129, 55, 243)  
}
```

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, 55, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 55, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 106.202, 309.967 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, 55, 243) }
```

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

```
.border{ border-color:rgb(129, 55, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 55, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 55, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 55, 243);  
box-shadow:4px 4px 4px 4px rgb(129, 55,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 106.202, 309.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 55, 243) }
```

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

```
.background{ background-color: rgb(129, 55,  
243) }
```

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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