

Converting Colors

CIELCh(44, 102.179, 308.709)

Have a look what the booklet for
CIELCh(44, 102.179, 308.709)
contains.

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Color

CIELCh(44, 102.376, 308.783)

Conversions

Conversions Part 1

Format	Color
Hex	7B3DF0
RGB	123, 61, 240
RGB Percent	48%, 24%, 94%
CMY	0.5177, 0.7608, 0.0588
CMYK	0.49, 0.75, 0.00, 0.06
HSL	261°, 86%, 59%
HSV	261°, 75%, 94%
XYZ	25.5630, 13.8382, 83.7572
YIQ	99.9440, -20.5070, 68.8130

Conversions

Conversions Part 2

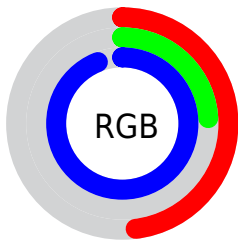
Format	Color
R_{YB}	123, 61, 240
Decimal	8076784
CIE _{Lab}	44.00, 64.13, -79.80
CIE _{LCh}	44, 102.376, 308.783
Yxy	13.8382, 0.2076, 0.1124
Android (android.graphics.Color)	4286266864 (0xFF7B3DF0)
YUV	99.9440, 69.0476, 20.2201
Hunter-Lab	37.1997, 57.5625, -107.4547

Details

The CIELCh color **44, 102.376, 308.783** 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, 86.438, 120.441**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 80.522, 311.794**, and **25, 101.103, 308.411** is the 20% darker color. If you saturate the color by 10%, you get **39, 113.209, 309.133**, and if you desaturate by 10%, it is **50, 89.359, 308.145**.

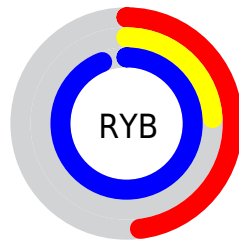
Distribution



Red (48%)

Green (24%)

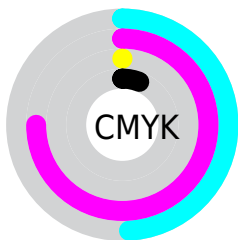
Blue (94%)



Red (48%)

Yellow (24%)

Blue (94%)

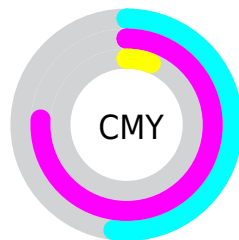


Cyan (49%)

Magenta (75%)

Yellow (0%)

Black (6%)



Cyan (52%)


Magenta (76%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 102.376, 308.783 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, 102.376, 308.783 by changing the saturation by 10% instead.


 44, 102.376,
308.783


 44, 102.376,
308.783


 100, 102.376,
308.783


 34, 102.376,
308.783


 64, 102.376,
308.783


 24, 102.376,
308.783


 74, 102.376,
308.783

 14, 102.376,
308.783


 84, 102.376,
308.783

 4, 102.376,
308.783

 94, 102.376,
308.783

 0, 102.376,
308.783

 44, 102.376,

 44, 102.376,

308.783

■ 39, 113.209,
309.133

■ 36, 120.582,
309.026

■ 34, 123.248,
308.819

308.783

■ 50, 89.359,
308.145

■ 56, 75.280,
307.367

■ 63, 60.878,
306.552

■ 70, 46.576,
305.761

■ 77, 32.587,
305.027

■ 84, 19.011,
304.363

■ 92, 5.881, 303.766

■ 99, 6.800, 123.273

100, 7.596,
109.599

Harmonies

Complementary

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



44, 102.376, 308.783



88, 86.438, 120.441

Rectangle

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



44, 102.376, 308.783



44, 102.376, 358.783



44, 102.376, 128.783



44, 102.376, 178.783

Sweetspot

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



44, 102.376, 308.784



83, 30.503, 304.854



70, 41.392, 250.952



42, 20.588, 305.042



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, 102.376, 308.784



39, 123.450, 309.137



55, 99.592, 322.434



46, 7.335, 304.051



25, 100.616, 308.985



4, 38.981, 307.324

Inverse Universe

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



57, 79.443, 343.654



57, 89.032, 346.586



84, 98.894, 135.116



47, 6.750, 336.870



40, 70.154, 348.433



9, 31.523, 344.748

Previews

White Background



This preview shows how the CIELCh color 44, 102.376, 308.783 looks on a white background.

Color Contrast Check

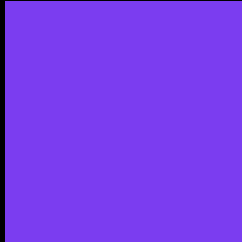
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.376, 308.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

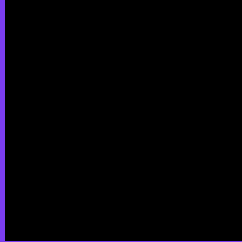
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 102.376, 308.783

Background



This preview shows how black text looks on a background with the CIELCh color 44, 102.376, 308.783.



This preview shows how white text looks on a background with the CIELCh color 44, 102.376, 308.783.

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

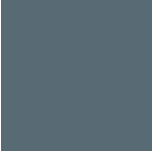
44, 102.376, 308.783

Protanopia

44, 66.530, 286.941

Deuteranopia

44, 46.830, 273.925



Tritanopia
44, 8.571, 238.040

Trichromacy



Original Color
44, 102.376, 308.783

Protanomaly
42, 81.095, 295.604

Deuteranomaly
42, 67.944, 291.965

Tritanomaly
42, 42.455, 300.607

Monochromacy



Original Color
44, 102.376, 308.783

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 40.141, 306.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 102.376, 308.783 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(123, 61, 240)` looks like.

```
.text, #text, p{  
    color:rgb(123, 61, 240)  
}
```

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(123, 61, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 61, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 102.376, 308.783 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(123, 61, 240) }
```

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

```
.border{ border-color:rgb(123, 61, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 61, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 61, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 61, 240);  
box-shadow:4px 4px 4px 4px rgb(123, 61,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 102.376, 308.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 61, 240) }
```

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

```
.background{ background-color: rgb(123, 61,  
240) }
```

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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