

Converting Colors

CIELCh(44, 113.703, 309.590)

Have a look what the booklet for
CIELCh(44, 113.703, 309.590)
contains.

CIELCh(44, 113.624, 309.585)	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(44, 113.624, 309.585)

Conversions

Conversions Part 1

Format	Color
Hex	7E32FE
RGB	126, 50, 254
RGB Percent	49%, 20%, 100%
CMY	0.5065, 0.8045, 0.0045
CMYK	0.50, 0.80, 0.00, 0.00
HSL	262°, 99%, 60%
HSV	262°, 80%, 100%
XYZ	27.5809, 13.8382, 94.8592
YIQ	95.9800, -20.1880, 79.5560

Conversions

Conversions Part 2

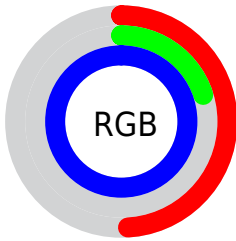
Format	Color
R _Y B	126, 50, 254
Decimal	8270590
CIE Lab	44.00, 72.40, -87.57
CIE LCh	44, 113.624, 309.585
Yxy	13.8382, 0.2024, 0.1015
Android (android.graphics.Color)	4286460670 (0xFF7E32FE)
YUV	95.9800, 77.9039, 26.3275
Hunter-Lab	37.1997, 67.2453, -125.1495

Details

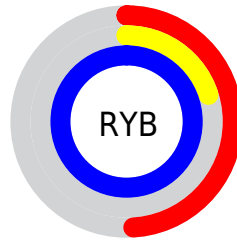
The CIELCh color **44, 113.624, 309.585** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **92, 95.474, 121.719**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 85.192, 313.734**, and **26, 106.920, 308.048** is the 20% darker color. If you saturate the color by 10%, you get **40, 122.737, 309.601**, and if you desaturate by 10%, it is **49, 101.408, 309.181**.

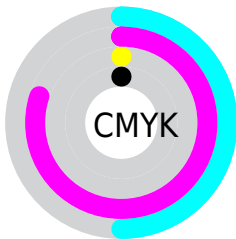
Distribution



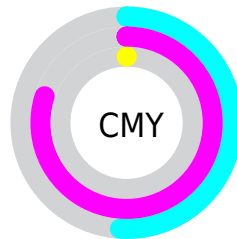
- Red (49%)
- Green (20%)
- Blue (100%)



- Red (49%)
- Yellow (20%)
- Blue (100%)



- Cyan (50%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 113.624, 309.585 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, 113.624, 309.585 by changing the saturation by 10% instead.


 44, 113.624,
309.585


 44, 113.624,
309.585


 100, 113.624,
309.585


 34, 113.624,
309.585


 64, 113.624,
309.585


 24, 113.624,
309.585


 74, 113.624,
309.585


 14, 113.624,
309.585


 84, 113.624,
309.585

 4, 113.624,
309.585

 94, 113.624,
309.585

 0, 113.624,
309.585

 44, 113.624,

 44, 113.624,

309.585

309.585

■ 40, 122.737,
309.601

■ 49, 101.408,
309.181

■ 37, 128.003,
309.196

■ 56, 87.372,
308.546

■ 63, 72.524,
307.808

■ 70, 57.498,
307.052

■ 77, 42.648,
306.326

■ 84, 28.154,
305.654

■ 92, 14.095,
305.047

■ 99, 0.498, 304.338

100, 0.570,
110.000

Harmonies

Complementary

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



44, 113.624, 309.585



92, 95.474, 121.719

Rectangle

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



44, 113.624, 309.585



44, 113.624, 359.585



44, 113.624, 129.585



44, 113.624, 179.585

Sweetspot

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



44, 113.624, 309.586



82, 33.499, 305.892



70, 47.538, 258.798



41, 23.143, 306.132



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, 113.624, 309.586



38, 126.531, 309.385



58, 108.605, 323.502



49, 7.749, 304.998



27, 103.237, 309.370



5, 44.867, 309.485

Inverse Universe

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



59, 84.705, 346.374



56, 88.197, 350.071



88, 109.104, 135.436



50, 6.971, 338.044



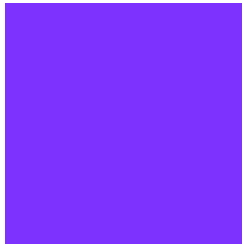
42, 71.280, 350.649



11, 33.610, 347.044

Previews

White Background



This preview shows how the CIELCh color 44, 113.624, 309.585 looks on a white background.

Color Contrast Check

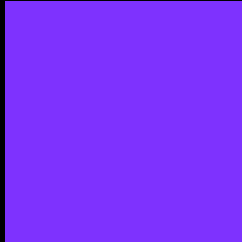
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 113.624, 309.585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

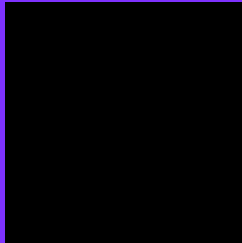
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 113.624, 309.585

Background



This preview shows how black text looks on a background with the CIELCh color 44, 113.624, 309.585.



This preview shows how white text looks on a background with the CIELCh color 44, 113.624, 309.585.

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, 113.624, 309.585

Protanopia

44, 66.530, 286.941

Deuteranopia

44, 46.318, 273.470



Tritanopia
44, 9.129, 230.508

Trichromacy



Original Color
44, 113.624, 309.585



Protanomaly
41, 86.351, 297.190



Deuteranomaly
41, 72.755, 294.009



Tritanomaly
41, 48.021, 301.730

Monochromacy



Original Color
44, 113.624, 309.585



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 45.995, 307.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 113.624, 309.585 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(126, 50, 254)` looks like.

```
.text, #text, p{  
    color:rgb(126, 50, 254)  
}
```

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(126, 50, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 50, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 113.624, 309.585 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(126, 50, 254) }
```

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

```
.border{ border-color:rgb(126, 50, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 50, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 50, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 50, 254);  
box-shadow:4px 4px 4px 4px rgb(126, 50,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 113.624, 309.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 50, 254) }
```

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

```
.background{ background-color: rgb(126, 50,  
254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor