

Converting Colors

CIELCh(44, 101.050, 306.746)

Have a look what the booklet for
CIELCh(44, 101.050, 306.746)
contains.

CIELCh(44, 100.916, 306.711)	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, 100.916, 306.711)

Conversions

Conversions Part 1

Format	Color
Hex	7043F2
RGB	112, 67, 242
RGB Percent	44%, 26%, 95%
CMY	0.5613, 0.7377, 0.0515
CMYK	0.54, 0.72, 0.00, 0.05
HSL	255°, 87%, 61%
HSV	255°, 72%, 95%
XYZ	24.6706, 13.8382, 85.2688
YIQ	100.4050, -29.3550, 63.9650

Conversions

Conversions Part 2

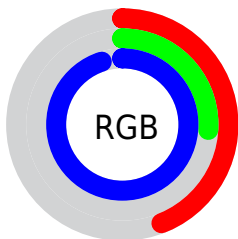
Format	Color
R_{YB}	112, 67, 242
Decimal	7357426
CIE _{Lab}	44.00, 60.33, -80.90
CIE _{LCh}	44, 100.916, 306.711
Yxy	13.8382, 0.1993, 0.1118
Android (android.graphics.Color)	4285547506 (0xFF7043F2)
YUV	100.4050, 69.8063, 10.1688
Hunter-Lab	37.1997, 53.2806, -109.8640

Details

The CIELCh color **44, 100.916, 306.711** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **90, 83.399, 116.486**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 77.340, 308.961**, and **24, 100.765, 306.726** is the 20% darker color. If you saturate the color by 10%, you get **39, 113.007, 307.460**, and if you desaturate by 10%, it is **50, 86.993, 305.721**.

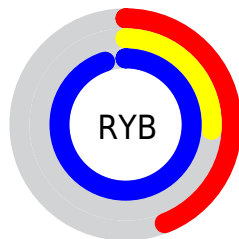
Distribution



Red (44%)

Green (26%)

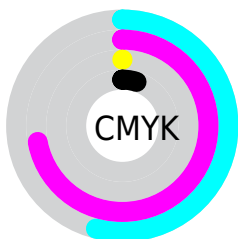
Blue (95%)



Red (44%)

Yellow (26%)

Blue (95%)

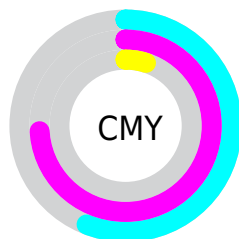


Cyan (54%)

Magenta (72%)

Yellow (0%)

Black (5%)



Cyan (56%)


Magenta (74%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 100.916, 306.711 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, 100.916, 306.711 by changing the saturation by 10% instead.


 44, 100.916,
306.711


 44, 100.916,
306.711


 100, 100.916,
306.711


 34, 100.916,
306.711


 64, 100.916,
306.711


 24, 100.916,
306.711


 74, 100.916,
306.711


 14, 100.916,
306.711

 84, 100.916,
306.711

 4, 100.916,
306.711

 94, 100.916,
306.711

 0, 100.916,
306.711

 44, 100.916,

 44, 100.916,

306.711

306.711

■ 39, 113.007,
307.460

■ 50, 86.993,
305.721

■ 35, 121.754,
307.760

■ 57, 72.372,
304.651

■ 33, 125.867,
307.677

■ 64, 57.711,
303.604

■ 72, 43.340,
302.634

■ 79, 29.404,
301.762

■ 86, 15.951,
300.991

■ 94, 2.986, 300.310

■ 100, 6.648,
109.669

Harmonies

Complementary

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



44, 100.916, 306.711



90, 83.399, 116.486

Rectangle

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



44, 100.916, 306.711



44, 100.916, 356.711



44, 100.916, 126.711



44, 100.916, 176.711

Sweetspot

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



44, 100.916, 306.712



83, 30.198, 301.738



75, 38.441, 235.959



42, 20.392, 301.964



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, 100.916, 306.712



39, 122.616, 307.676



54, 98.224, 319.799



46, 7.249, 300.788



24, 102.165, 307.815



3, 38.606, 304.825

Inverse Universe

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



59, 83.071, 338.406



58, 93.523, 340.207



86, 95.385, 133.485



47, 7.194, 333.199



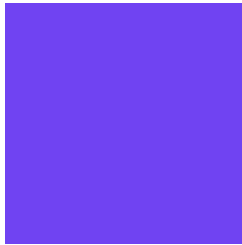
41, 74.221, 341.829



9, 33.232, 339.479

Previews

White Background



This preview shows how the CIELCh color 44, 100.916, 306.711 looks on a white background.

Color Contrast Check

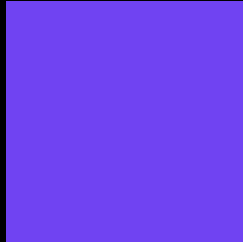
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.916, 306.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

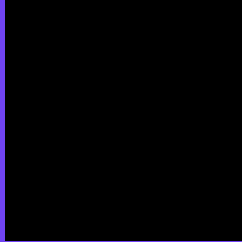
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 100.916, 306.711

Background



This preview shows how black text looks on a background with the CIELCh color 44, 100.916, 306.711.

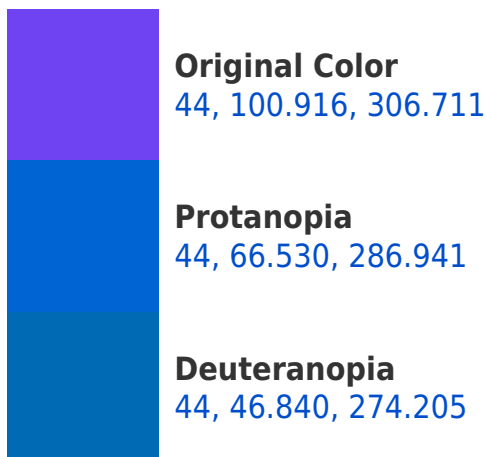



This preview shows how white text looks on a background with the CIELCh color 44, 100.916, 306.711.

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, 14.589, 219.862

Trichromacy



Original Color
44, 100.916, 306.711

Protanomaly
42, 79.876, 294.749

Deuteranomaly
42, 66.725, 290.816

Tritanomaly
42, 42.167, 292.783

Monochromacy



Original Color
44, 100.916, 306.711

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 39.205, 303.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 100.916, 306.711 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(112, 67, 242)` looks like.

```
.text, #text, p{  
    color:rgb(112, 67, 242)  
}
```

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(112, 67, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 67, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 100.916, 306.711 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(112, 67, 242) }
```

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

```
.border{ border-color:rgb(112, 67, 242) }
```

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

Here you see how a box with a 4 pixel rgb(112, 67, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 67, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 67, 242);  
box-shadow:4px 4px 4px 4px rgb(112, 67,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 100.916, 306.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 67, 242) }
```

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

```
.background{ background-color: rgb(112, 67,  
242) }
```

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