

# Converting Colors

CIELCh(44, 72.515, 312.040)

Have a look what the booklet for  
CIELCh(44, 72.515, 312.040)  
contains.

<b>CIELCh(44, 72.515, 312.040)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(44, 72.515, 312.040)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	864AC3
RGB	134, 74, 195
RGB Percent	53%, 29%, 76%
CMY	0.4756, 0.7108, 0.2364
CMYK	0.31, 0.62, 0.00, 0.24
HSL	270°, 50%, 53%
HSV	270°, 62%, 76%
XYZ	22.0398, 13.8382, 52.9768
YIQ	105.7340, -3.0810, 50.3510

# Conversions

## Conversions Part 2

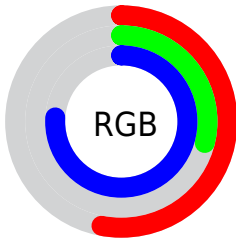
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 74, 195
Decimal	8800963
CIELab	44.00, 48.56, -53.86
CIELCh	44, 72.515, 312.040
Yxy	13.8382, 0.2480, 0.1557
Android (android.graphics.Color)	4286991043 (0xFF864AC3)
YUV	105.7340, 44.0081, 24.7893
Hunter-Lab	37.1997, 40.6569, -58.3961

# Details

The CIELCh color **44, 72.515, 312.040** is a dark color, and the websafe version is hex **663399**. The color can be described as middle muted purple. A complement of this color would be **73, 65.970, 126.244**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 72.189, 312.120**, and **24, 72.310, 312.137** is the 20% darker color. If you saturate the color by 10%, you get **39, 83.129, 312.368**, and if you desaturate by 10%, it is **49, 60.969, 311.573**.

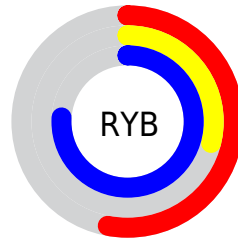
# Distribution



Red (53%)

Green (29%)

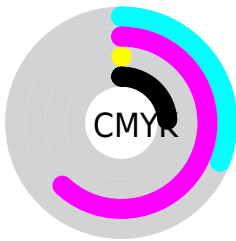
Blue (76%)



Red (53%)

Yellow (29%)

Blue (76%)

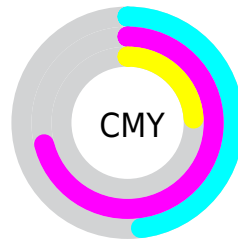


Cyan (31%)

Magenta (62%)

Yellow (0%)

Black (24%)



Cyan (48%)

Magenta (71%)


Yellow (24%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 72.515, 312.040 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, 72.515, 312.040 by changing the saturation by 10% instead.




 44, 72.515,  
312.040


 44, 72.515,  
312.040


 100, 72.515,  
312.040

 34, 72.515,  
312.040

 64, 72.515,  
312.040


 24, 72.515,  
312.040


 74, 72.515,  
312.040

 14, 72.515,  
312.040

 84, 72.515,  
312.040

 4, 72.515, 312.040

 94, 72.515,  
312.040

 0, 72.515, 312.040

 44, 72.515,

 44, 72.515,

312.040

39, 83.129,  
312.368

35, 92.075,  
312.455

32, 98.538,  
312.185

31, 101.998,  
311.761

312.040

49, 60.969,  
311.573

55, 49.030,  
311.042

60, 37.041,  
310.495

66, 25.202,  
309.963

72, 13.623,  
309.461

77, 2.359, 308.965

83, 8.568, 128.615

89, 19.155,  
128.241

■ 95, 29.409,  
127.914

# Harmonies

# Complementary

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



44, 72.515, 312.040



73, 65.970, 126.244

# Rectangle

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



44, 72.515, 312.040



44, 72.515, 2.040



44, 72.515, 132.040



44, 72.515, 182.040

# Sweetspot

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



44, 72.514, 312.040



86, 26.620, 309.818



55, 36.500, 266.698



44, 18.543, 309.968



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, 72.514, 312.040



49, 105.761, 312.439



52, 74.747, 326.987



38, 6.320, 309.328



24, 88.310, 311.922



2, 20.200, 305.204



# Inverse Universe

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



50, 54.974, 350.735



59, 76.979, 353.798



70, 75.504, 138.749



38, 5.106, 344.153



34, 60.088, 1.109

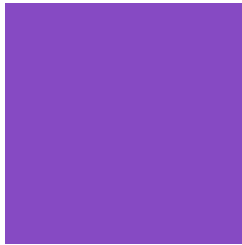


3, 15.868, 352.082



# Previews

## White Background



This preview shows how the CIELCh color 44, 72.515, 312.040 looks on a white background.

## Color Contrast Check

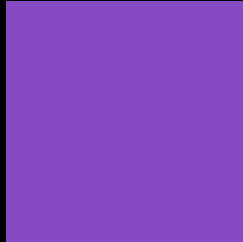
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.515, 312.040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

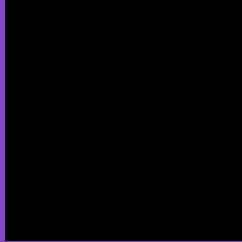
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 44, 72.515, 312.040

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 72.515, 312.040.

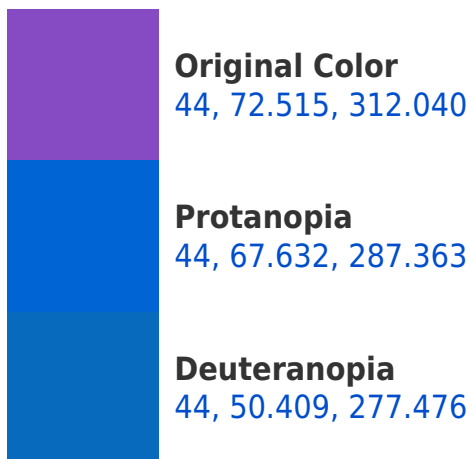


This preview shows how white text looks on a background with the CIELCh color 44, 72.515, 312.040.


# 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, 8.884, 348.049

# Trichromacy



**Original Color**  
44, 72.515, 312.040



**Protanomaly**  
42, 69.566, 292.807



**Deuteranomaly**  
42, 57.866, 289.228



**Tritanomaly**  
43, 31.863, 316.354

# Monochromacy



**Original Color**  
44, 72.515, 312.040



**Achromatopsia**  
44, 0.006, 296.813



**Achromatomaly**  
43, 27.649, 309.823

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 72.515, 312.040 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(134, 74, 195)` looks like.

```
.text, #text, p{  
    color:rgb(134, 74, 195)  
}
```

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(134, 74, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 74, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 72.515, 312.040 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(134, 74, 195) }
```

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

```
.border{ border-color:rgb(134, 74, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 74, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 74, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 74, 195);  
box-shadow:4px 4px 4px 4px rgb(134, 74,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 72.515, 312.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 74, 195) }
```

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

```
.background{ background-color: rgb(134, 74,  
195) }
```

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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