

# Converting Colors

CIELCh(44, 29.409, 308.921)

Have a look what the booklet for  
CIELCh(44, 29.409, 308.921)  
contains.

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# Color

**CIELCh(44, 29.302, 308.888)**

# Conversions

## Conversions Part 1

Format	Color
Hex	745F8E
RGB	116, 95, 142
RGB Percent	45%, 37%, 56%
CMY	0.5453, 0.6276, 0.4433
CMYK	0.18, 0.33, 0.00, 0.44
HSL	267°, 20%, 46%
HSV	267°, 33%, 56%
XYZ	16.1639, 13.8382, 27.3923
YIQ	106.6370, -2.5710, 19.0690

# Conversions

## Conversions Part 2

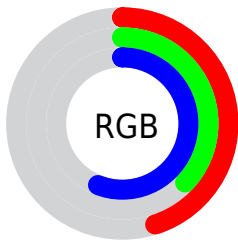
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 95, 142
Decimal	7626638
CIE <sub>Lab</sub>	44.00, 18.40, -22.81
CIE <sub>LCh</sub>	44, 29.302, 308.888
Yxy	13.8382, 0.2816, 0.2411
Android (android.graphics.Color)	4285816718 (0xFF745F8E)
YUV	106.6370, 17.4340, 8.2114
Hunter-Lab	37.1997, 12.4615, -17.6188

# Details

The CIELCh color  $44, 29.302, 308.888$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $56, 27.847, 125.634$ , and the grayscale version is  $45, 0.006, 296.813$ .

A 20% lighter version of the original color is  $64, 29.171, 308.937$ , and  $24, 29.241, 308.679$  is the 20% darker color. If you saturate the color by 10%, you get  $40, 38.568, 309.480$ , and if you desaturate by 10%, it is  $49, 20.183, 308.322$ .

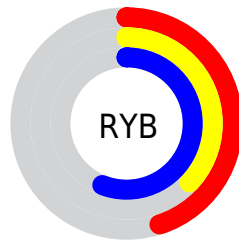
# Distribution



Red (45%)

Green (37%)

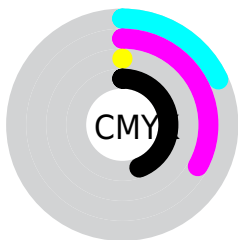
Blue (56%)



Red (45%)

Yellow (37%)

Blue (56%)

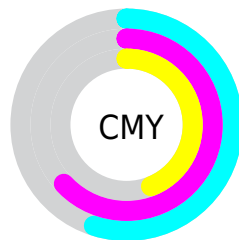


Cyan (18%)

Magenta (33%)

Yellow (0%)

Black (44%)



Cyan (55%)

Magenta (63%)

Yellow (44%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 29.302, 308.888 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, 29.302, 308.888 by changing the saturation by 10% instead.




 44, 29.302,  
308.888


 44, 29.302,  
308.888

 100, 29.302,  
308.888

 34, 29.302,  
308.888

 64, 29.302,  
308.888

 24, 29.302,  
308.888

 74, 29.302,  
308.888

 14, 29.302,  
308.888

 84, 29.302,  
308.888

 4, 29.302, 308.888

 94, 29.302,  
308.888

 0, 29.302, 308.888

 44, 29.302,

 44, 29.302,

308.888

40, 38.568,  
309.480

35, 47.850,  
310.072

31, 56.913,  
310.617

27, 65.374,  
311.045

24, 72.682,  
311.255

22, 78.179,  
311.127

20, 81.406,  
310.991

308.888

49, 20.183,  
308.322

53, 11.285,  
307.795

58, 2.639, 307.297

62, 5.744, 126.914

67, 13.864,  
126.527

71, 21.730,  
126.192

76, 29.353,  
125.900

80, 36.743,  
125.646

■ 85, 43.915,  
125.426

# Harmonies

# Complementary

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



44, 29.302, 308.888



56, 27.847, 125.634

# Rectangle

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



44, 29.302, 308.888



44, 29.302, 358.888



44, 29.302, 128.888



44, 29.302, 178.888

# Sweetspot

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



44, 29.301, 308.888



69, 10.578, 307.650



50, 14.839, 252.694



35, 7.204, 307.712



88, 0.010, 296.813



39, 0.006, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44, 29.301, 308.888



52, 44.051, 309.344



46, 32.227, 324.241



28, 4.858, 307.600



19, 78.511, 311.042



0, 3.240, 307.186



# Inverse Universe

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



46, 24.256, 343.728



56, 36.068, 344.553



55, 32.106, 140.577



28, 4.097, 341.552



29, 53.760, 356.024

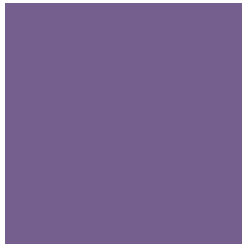


1, 2.740, 340.888



# Previews

## White Background



This preview shows how the CIELCh color 44, 29.302, 308.888 looks on a white background.

## Color Contrast Check

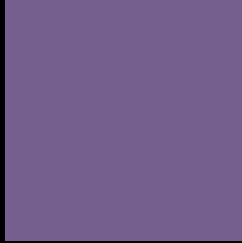
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.302, 308.888 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

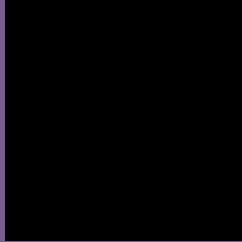
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 44, 29.302, 308.888**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 29.302, 308.888.



This preview shows how white text looks on a background with the CIELCh color 44, 29.302, 308.888.

# 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, 29.302, 308.888

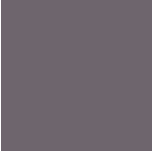
### Protanopia

44, 27.106, 284.798

### Deuteranopia

44, 22.274, 285.222





**Tritanopia**  
44, 6.075, 328.030

# Trichromacy



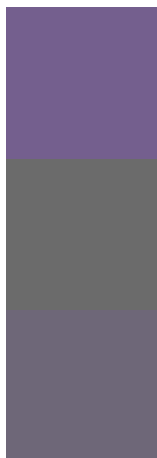
**Original Color**  
44, 29.302, 308.888

**Protanomaly**  
44, 27.585, 293.273

**Deuteranomaly**  
44, 24.633, 295.214

**Tritanomaly**  
44, 14.222, 312.922

# Monochromacy



**Original Color**  
44, 29.302, 308.888

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
45, 10.578, 306.611

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 29.302, 308.888 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(116, 95, 142)` looks like.

```
.text, #text, p{  
    color:rgb(116, 95, 142)  
}
```

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(116, 95, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 95, 142) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 29.302, 308.888 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(116, 95, 142) }
```

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

```
.border{ border-color:rgb(116, 95, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 95, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 95, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 95, 142); box-shadow:4px 4px 4px 4px rgb(116, 95, 142) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 29.302, 308.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 95, 142) }
```

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

```
.background{ background-color: rgb(116, 95,  
142) }
```

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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