

# Converting Colors

CIELCh(28, 100.420, 308.774)

Have a look what the booklet for  
CIELCh(28, 100.420, 308.774)  
contains.

<b>CIELCh(28, 100.278, 308.804)</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> .....	25
<b><i>CSS Examples</i></b> .....	28

**Color**

**CIELCh(28, 100.278, 308.804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	480EBF
RGB	72, 14, 191
RGB Percent	28%, 5%, 75%
CMY	0.7175, 0.9449, 0.2509
CMYK	0.62, 0.93, 0.00, 0.25
HSL	260°, 86%, 40%
HSV	260°, 93%, 75%
XYZ	12.2402, 5.4574, 49.7166
YIQ	51.5200, -22.2490, 67.3430

# Conversions

## Conversions Part 2

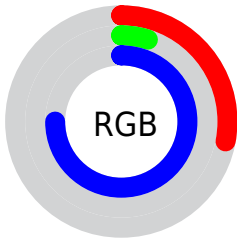
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	72, 14, 191
Decimal	4722367
CIE Lab	28.00, 62.84, -78.15
CIE LCh	28, 100.278, 308.804
Yxy	5.4574, 0.1816, 0.0810
Android (android.graphics.Color)	4282912447 (0xFF480EBF)
YUV	51.5200, 68.7636, 17.9610
Hunter-Lab	23.3610, 52.6445, -109.8273

# Details

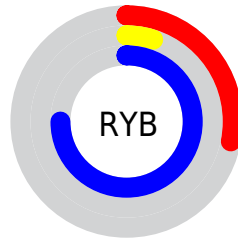
The CIELCh color **28, 100.278, 308.804** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **71, 80.891, 120.514**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 100.353, 308.843**, and **14, 83.870, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **26, 104.024, 308.682**, and if you desaturate by 10%, it is **31, 93.049, 308.696**.

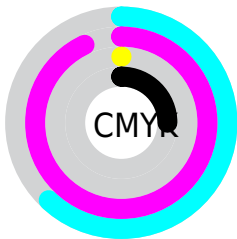
# Distribution



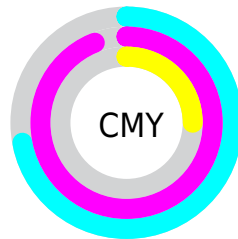
- Red (28%)
- Green (5%)
- Blue (75%)



- Red (28%)
- Yellow (5%)
- Blue (75%)



- Cyan (62%)
- Magenta (93%)
- Yellow (0%)
- Black (25%)




- Cyan (72%)
- Magenta (94%)
- Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 100.278, 308.804 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 28, 100.278, 308.804 by changing the saturation by 10% instead.





 28, 100.278,  
308.804


 28, 100.278,  
308.804


 100, 100.278,  
308.804


 18, 100.278,  
308.804


 48, 100.278,  
308.804


 8, 100.278,  
308.804

 58, 100.278,  
308.804

 0, 100.278,  
308.804

 68, 100.278,  
308.804

 78, 100.278,  
308.804

 88, 100.278,  
308.804

 98, 100.278,

308.804

■ 28, 100.278,  
308.804

■ 28, 100.278,  
308.804

■ 26, 104.024,  
308.682

■ 31, 93.049,  
308.696

■ 36, 83.278,  
308.187

■ 41, 72.038,  
307.446

■ 46, 60.161,  
306.609

■ 52, 48.164,  
305.763

■ 58, 36.329,  
304.960

■ 64, 24.793,  
304.223

■ 70, 13.614,  
303.561

■ 76, 2.810, 302.961

# Harmonies

# Complementary

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



28, 100.278, 308.804



71, 80.891, 120.514

# Rectangle

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



28, 100.278, 308.804



28, 100.278, 358.804



28, 100.278, 128.804



28, 100.278, 178.804

# Sweetspot

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



28, 100.279, 308.805



77, 38.169, 304.641



53, 38.751, 255.681



38, 26.753, 304.973



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



28, 100.279, 308.805



35, 126.554, 308.533



40, 92.637, 321.578



37, 6.005, 303.358



21, 90.274, 308.819



1, 17.705, 299.687



# Inverse Universe

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



43, 72.549, 345.482



55, 88.370, 347.441



68, 92.592, 134.682



37, 5.616, 336.043



35, 63.633, 346.681

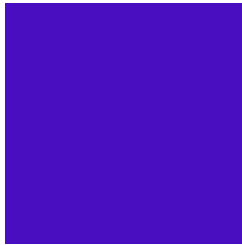


3, 15.712, 341.407



# Previews

## White Background



This preview shows how the CIE LCh color 28, 100.278, 308.804 looks on a white background.

## Color Contrast Check

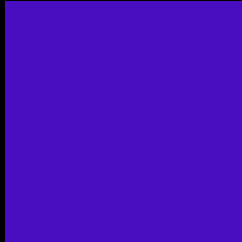
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



This preview shows how the CIELCh color 28, 100.278, 308.804 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

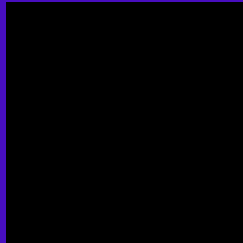
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 28, 100.278, 308.804

## Background



This preview shows how black text looks on a background with the CIELCh color 28, 100.278, 308.804.



This preview shows how white text looks on a background with the CIELCh color 28, 100.278, 308.804.





# 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


28, 100.278, 308.804

### Protanopia

28, 46.102, 284.959

### Deuteranopia

28, 32.209, 270.785



**Tritanopia**  
28, 19.805, 208.097

# Trichromacy



**Original Color**  
28, 100.278, 308.804

**Protanomaly**  
25, 70.514, 299.502

**Deuteranomaly**  
25, 60.952, 297.107

**Tritanomaly**  
24, 44.880, 291.501

# Monochromacy



**Original Color**  
28, 100.278, 308.804

**Achromatopsia**  
22, 0.004, 296.813

**Achromatomaly**  
21, 43.720, 307.073

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 28, 100.278, 308.804 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(72, 14, 191)` looks like.

```
.text, #text, p{  
  color:rgb(72, 14, 191)  
}
```

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(72, 14, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 14, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 28, 100.278, 308.804 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(72, 14, 191) }
```

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

```
.border{ border-color:rgb(72, 14, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 14, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 14, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 14, 191);  
box-shadow:4px 4px 4px 4px rgb(72, 14,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 28, 100.278, 308.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 14, 191) }
```

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

```
.background{ background-color: rgb(72, 14,  
191) }
```

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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