

# Converting Colors

CIELCh(45, 100.076, 308.290)

Have a look what the booklet for  
CIELCh(45, 100.076, 308.290)  
contains.

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**Color**

**CIELCh(45, 100.395, 308.335)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C42F1
RGB	124, 66, 241
RGB Percent	49%, 26%, 95%
CMY	0.5136, 0.7410, 0.0547
CMYK	0.49, 0.73, 0.00, 0.05
HSL	260°, 86%, 60%
HSV	260°, 73%, 95%
XYZ	26.1510, 14.5417, 84.6781
YIQ	103.2920, -21.6070, 66.7210

# Conversions

## Conversions Part 2

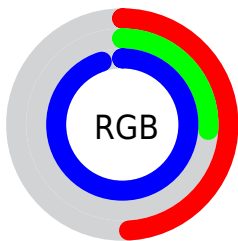
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 66, 241
Decimal	8143601
CIE <sub>Lab</sub>	45.00, 62.27, -78.75
CIE <sub>LCh</sub>	45, 100.395, 308.335
Yxy	14.5417, 0.2086, 0.1160
Android (android.graphics.Color)	4286333681 (0xFF7C42F1)
YUV	103.2920, 67.8900, 18.1609
Hunter-Lab	38.1336, 55.6765, -104.9638

# Details

The CIELCh color **45, 100.395, 308.335** 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 **89, 84.794, 119.783**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 77.625, 311.362**, and **25, 100.489, 308.322** is the 20% darker color. If you saturate the color by 10%, you get **40, 111.905, 308.804**, and if you desaturate by 10%, it is **51, 86.957, 307.612**.

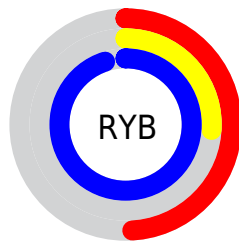
# Distribution



Red (49%)

Green (26%)

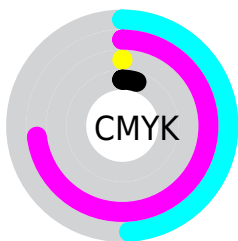
Blue (95%)



Red (49%)

Yellow (26%)

Blue (95%)

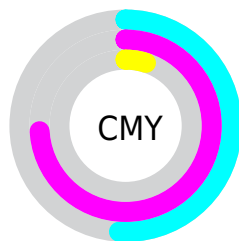


Cyan (49%)

Magenta (73%)

Yellow (0%)

Black (5%)



Cyan (51%)

Magenta (74%)


Yellow (5%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 100.395, 308.335 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 45, 100.395, 308.335 by changing the saturation by 10% instead.





 45, 100.395,  
308.335


 45, 100.395,  
308.335


 100, 100.395,  
308.335


 35, 100.395,  
308.335


 65, 100.395,  
308.335


 25, 100.395,  
308.335


 75, 100.395,  
308.335

 15, 100.395,  
308.335

 85, 100.395,  
308.335

 5, 100.395,  
308.335

 95, 100.395,  
308.335


 0, 100.395,  
308.335


 45, 100.395,


 45, 100.395,

308.335


308.335


 40, 111.905,  
308.804


 51, 86.957,  
307.612


 36, 120.158,  
308.843


 58, 72.660,  
306.777

 34, 123.998,  
308.599


 65, 58.173,  
305.928

 72, 43.864,  
305.117

 79, 29.913,  
304.373

 86, 16.396,  
303.705

 93, 3.337, 303.099

 100, 7.113,  
115.504

100, 7.066,  
109.638

# Harmonies

# Complementary

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



45, 100.395, 308.335



89, 84.794, 119.783

# Rectangle

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



45, 100.395, 308.335



45, 100.395, 358.335



45, 100.395, 128.335



45, 100.395, 178.335

# Sweetspot

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



45, 100.395, 308.336



83, 30.446, 304.335



71, 40.128, 247.461



42, 20.551, 304.529



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



45, 100.395, 308.336



40, 121.294, 308.886



56, 98.178, 321.898



46, 7.319, 303.511



25, 100.894, 308.763



4, 38.917, 306.889



# Inverse Universe

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



58, 79.232, 342.478



58, 89.231, 344.928



85, 97.005, 134.884



47, 6.822, 336.223



41, 70.756, 347.258

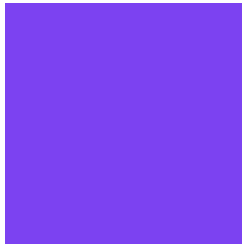


9, 31.786, 343.814



# Previews

## White Background



This preview shows how the CIELCh color 45, 100.395, 308.335 looks on a white background.

## Color Contrast Check

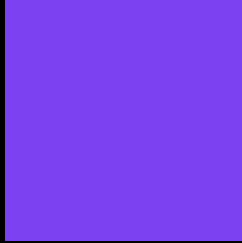
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 100.395, 308.335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

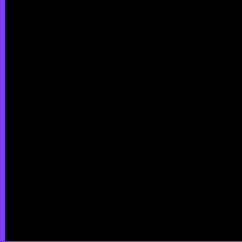
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 45, 100.395, 308.335

## Background



This preview shows how black text looks on a background with the CIELCh color 45, 100.395, 308.335.



This preview shows how white text looks on a background with the CIELCh color 45, 100.395, 308.335.

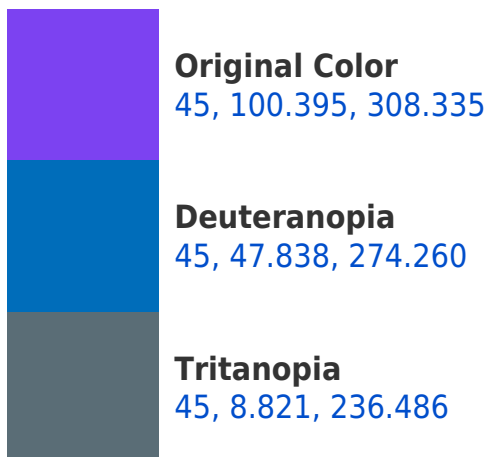




# Color Blindness Simulation

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



# Trichromacy



**Original Color**  
45, 100.395, 308.335

**Deuteranomaly**  
43, 67.708, 291.303

**Tritanomaly**  
43, 42.222, 299.662

# Monochromacy



**Original Color**  
45, 100.395, 308.335

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
43, 38.702, 305.763

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 45, 100.395, 308.335 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(124, 66, 241)` looks like.

```
.text, #text, p{  
    color:rgb(124, 66, 241)  
}
```

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(124, 66, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 66, 241) }
```

## Border

The CSS property to change the border of an element to CIELCh 45, 100.395, 308.335 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(124, 66, 241) }
```

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

```
.border{ border-color:rgb(124, 66, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 66, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 66, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 66, 241);  
box-shadow:4px 4px 4px 4px rgb(124, 66,  
241) }
```

# Background

The CSS property to change the background color of an element to CIELCh 45, 100.395, 308.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 66, 241) }
```

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

```
.background{ background-color: rgb(124, 66,  
241) }
```

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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