

Converting Colors

CIELCh(45, 88.726, 307.139)

Have a look what the booklet for
CIELCh(45, 88.726, 307.139)
contains.

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Color

CIELCh(45, 88.700, 307.077)

Conversions

Conversions Part 1

Format	Color
Hex	784BE3
RGB	120, 75, 227
RGB Percent	47%, 29%, 89%
CMY	0.5299, 0.7063, 0.1103
CMYK	0.47, 0.67, 0.00, 0.11
HSL	258°, 73%, 59%
HSV	258°, 67%, 89%
XYZ	24.0862, 14.5417, 74.1243
YIQ	105.7830, -21.9720, 56.8120

Conversions

Conversions Part 2

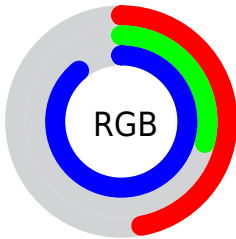
Format	Color
R_{YB}	120, 75, 227
Decimal	7883747
CIE _{Lab}	45.00, 53.48, -70.77
CIE _{LCh}	45, 88.700, 307.077
Yxy	14.5417, 0.2136, 0.1290
Android (android.graphics.Color)	4286073827 (0xFF784BE3)
YUV	105.7830, 59.7600, 12.4683
Hunter-Lab	38.1336, 46.0113, -88.5548

Details

The CIELCh color **45, 88.700, 307.077** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **85, 75.428, 118.268**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 72.657, 308.802**, and **25, 88.422, 307.065** is the 20% darker color. If you saturate the color by 10%, you get **39, 101.095, 307.837**, and if you desaturate by 10%, it is **51, 75.174, 306.165**.

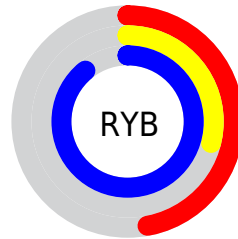
Distribution



Red (47%)

Green (29%)

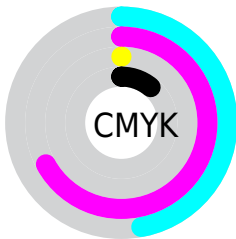
Blue (89%)



Red (47%)

Yellow (29%)

Blue (89%)

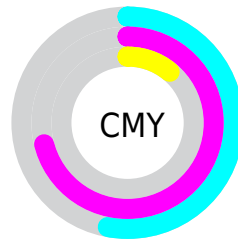


Cyan (47%)

Magenta (67%)

Yellow (0%)

Black (11%)



Cyan (53%)

Magenta (71%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 88.700, 307.077 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, 88.700, 307.077 by changing the saturation by 10% instead.

 45, 88.700,
307.077


 45, 88.700,
307.077


 100, 88.700,
307.077

 35, 88.700,
307.077

 65, 88.700,
307.077

 25, 88.700,
307.077

 75, 88.700,
307.077

 15, 88.700,
307.077

 85, 88.700,
307.077

 5, 88.700, 307.077

 95, 88.700,
307.077

 0, 88.700, 307.077

 45, 88.700,

 45, 88.700,

307.077

307.077

■ 39, 101.095,
307.837

■ 51, 75.174,
306.165

■ 35, 111.154,
308.270

■ 58, 61.311,
305.219

■ 32, 117.628,
308.207

■ 65, 47.555,
304.310

■ 31, 119.148,
308.157


■ 71, 34.121,
303.474

■ 78, 21.103,
302.723

■ 85, 8.532, 302.057

■ 92, 3.595, 121.499

■ 99, 14.507,
119.648

 99, 14.228,
109.102

Harmonies

Complementary

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



45, 88.700, 307.077



85, 75.428, 118.268

Rectangle

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



45, 88.700, 307.077



45, 88.700, 357.077



45, 88.700, 127.077



45, 88.700, 177.077

Sweetspot

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



45, 88.700, 307.078



85, 27.466, 302.949



70, 35.444, 239.919



43, 18.832, 303.160



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, 88.700, 307.078



43, 114.675, 308.037



54, 88.146, 320.808



43, 6.899, 302.213



23, 98.334, 308.306



3, 32.304, 303.177

Inverse Universe

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



57, 73.387, 339.781



59, 88.776, 341.518



81, 86.229, 134.448



44, 6.627, 334.735



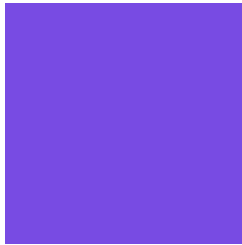
39, 70.110, 344.512



7, 29.456, 341.184

Previews

White Background



This preview shows how the CIELCh color 45, 88.700, 307.077 looks on a white background.

Color Contrast Check

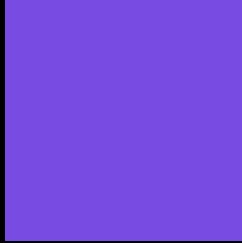
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.700, 307.077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

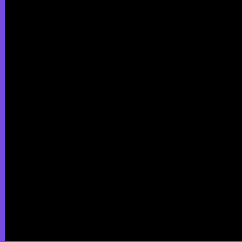
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 88.700, 307.077

Background



This preview shows how black text looks on a background with the CIELCh color 45, 88.700, 307.077.

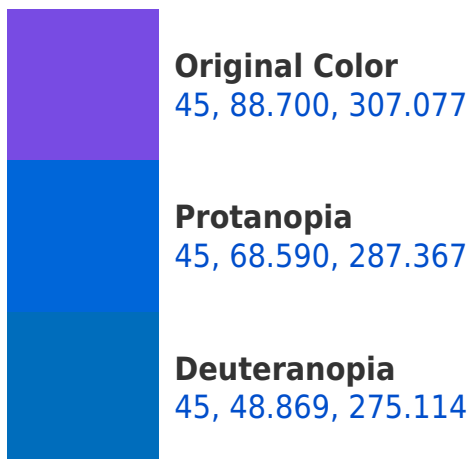


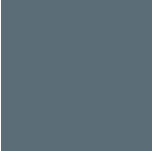
This preview shows how white text looks on a background with the CIELCh color 45, 88.700, 307.077.

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
45, 8.541, 237.974

Trichromacy



Original Color
45, 88.700, 307.077



Protanomaly
43, 76.723, 293.639



Deuteranomaly
43, 62.943, 288.902



Tritanomaly
44, 36.648, 297.638

Monochromacy



Original Color
45, 88.700, 307.077



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 33.568, 304.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 88.700, 307.077 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(120, 75, 227)` looks like.

```
.text, #text, p{  
    color:rgb(120, 75, 227)  
}
```

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(120, 75, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 75, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 88.700, 307.077 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(120, 75, 227) }
```

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

```
.border{ border-color:rgb(120, 75, 227) }
```

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

Here you see how a box with a 4 pixel rgb(120, 75, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 75, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 75, 227);  
box-shadow:4px 4px 4px 4px rgb(120, 75,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 88.700, 307.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 75, 227) }
```

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

```
.background{ background-color: rgb(120, 75,  
227) }
```

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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