

Converting Colors

CIELCh(45, 83.452, 305.997)

Have a look what the booklet for
CIELCh(45, 83.452, 305.997)
contains.

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Color

CIELCh(45, 83.373, 305.969)

Conversions

Conversions Part 1

Format	Color
Hex	744FDD
RGB	116, 79, 221
RGB Percent	45%, 31%, 87%
CMY	0.5448, 0.6900, 0.1331
CMYK	0.47, 0.64, 0.00, 0.13
HSL	256°, 68%, 59%
HSV	256°, 64%, 87%
XYZ	23.0714, 14.5417, 70.0427
YIQ	106.2510, -23.5300, 52.0060

Conversions

Conversions Part 2

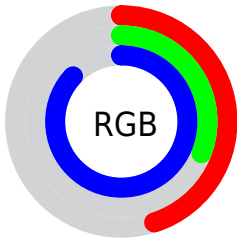
Format	Color
R_{YB}	116, 79, 221
Decimal	7622621
CIE _{Lab}	45.00, 48.97, -67.48
CIE _{LCh}	45, 83.373, 305.969
Yxy	14.5417, 0.2143, 0.1351
Android (android.graphics.Color)	4285812701 (0xFF744FDD)
YUV	106.2510, 56.5713, 8.5499
Hunter-Lab	38.1336, 41.2615, -82.2087

Details

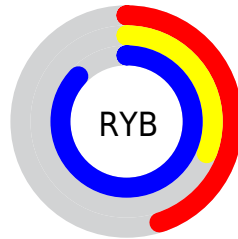
The CIELCh color **45, 83.373, 305.969** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **83, 70.927, 116.767**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 70.718, 307.331**, and **25, 83.478, 306.019** is the 20% darker color. If you saturate the color by 10%, you get **39, 96.117, 306.917**, and if you desaturate by 10%, it is **51, 69.845, 304.922**.

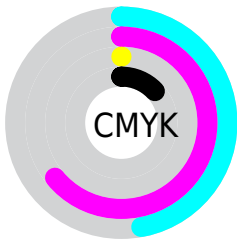
Distribution



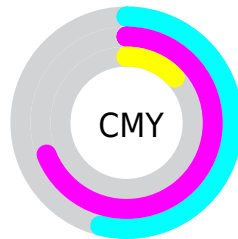
- Red (45%)
- Green (31%)
- Blue (87%)



- Red (45%)
- Yellow (31%)
- Blue (87%)



- Cyan (47%)
- Magenta (64%)
- Yellow (0%)
- Black (13%)



- Cyan (54%)
- Magenta (69%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 83.373, 305.969 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, 83.373, 305.969 by changing the saturation by 10% instead.

 45, 83.373,
305.969


 45, 83.373,
305.969


 100, 83.373,
305.969


 35, 83.373,
305.969

 65, 83.373,
305.969


 25, 83.373,
305.969

 75, 83.373,
305.969

 15, 83.373,
305.969

 85, 83.373,
305.969

 5, 83.373, 305.969

 95, 83.373,
305.969

 0, 83.373, 305.969

 45, 83.373,

 45, 83.373,

305.969

39, 96.117,
306.917

35, 106.968,
307.595

31, 114.533,
307.801

30, 117.482,
307.757

305.969

51, 69.845,
304.922

58, 56.201,
303.883

65, 42.785,
302.911


71, 29.753,
302.033

78, 17.162,
301.254

85, 5.022, 300.569

92, 6.678, 119.990

99, 17.456,
118.713

 99, 17.162,
108.880

Harmonies

Complementary

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



45, 83.373, 305.969



83, 70.927, 116.767

Rectangle

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



45, 83.373, 305.969



45, 83.373, 355.969



45, 83.373, 125.969



45, 83.373, 175.969

Sweetspot

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



45, 83.373, 305.970



85, 25.945, 301.624



71, 33.390, 233.565



43, 17.951, 301.853



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, 83.373, 305.970



44, 111.459, 307.186



53, 83.350, 319.732



42, 6.740, 300.914



22, 97.824, 307.890



2, 30.067, 301.318

Inverse Universe

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



57, 71.396, 337.716



61, 89.283, 339.143



80, 80.879, 133.797



43, 6.669, 333.332



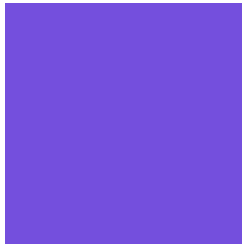
39, 71.017, 342.001



6, 28.779, 339.092

Previews

White Background



This preview shows how the CIELCh color 45, 83.373, 305.969 looks on a white background.

Color Contrast Check

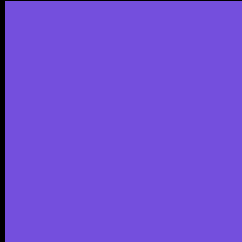
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 83.373, 305.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

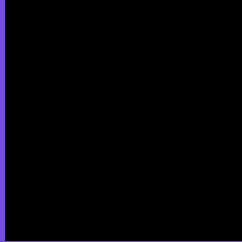
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 83.373, 305.969

Background



This preview shows how black text looks on a background with the CIELCh color 45, 83.373, 305.969.

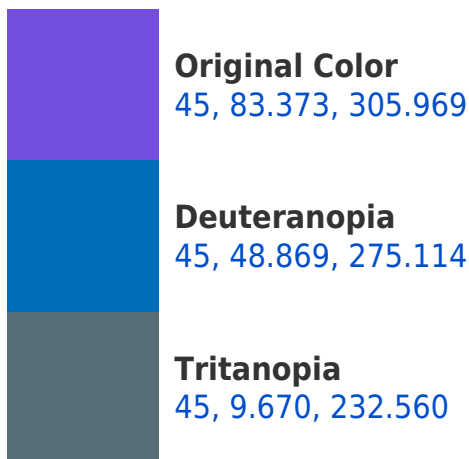


This preview shows how white text looks on a background with the CIELCh color 45, 83.373, 305.969.

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, 83.373, 305.969

Deuteranomaly
43, 61.231, 287.853

Tritanomaly
44, 34.144, 294.272

Monochromacy



Original Color
45, 83.373, 305.969

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 31.681, 303.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 83.373, 305.969 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, 79, 221)` looks like.

```
.text, #text, p{  
    color:rgb(116, 79, 221)  
}
```

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, 79, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 79, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 83.373, 305.969 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, 79, 221) }
```

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

```
.border{ border-color:rgb(116, 79, 221) }
```

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

Here you see how a box with a 4 pixel rgb(116, 79, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 79, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 79, 221);  
box-shadow:4px 4px 4px 4px rgb(116, 79,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 83.373, 305.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 79, 221) }
```

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

```
.background{ background-color: rgb(116, 79,  
221) }
```

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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