

Converting Colors

CIELCh(45, 71.245, 307.157)

Have a look what the booklet for
CIELCh(45, 71.245, 307.157)
contains.

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Color

CIELCh(45, 70.788, 307.158)

Conversions

Conversions Part 1

Format	Color
Hex	7A53CA
RGB	122, 83, 202
RGB Percent	48%, 33%, 79%
CMY	0.5223, 0.6751, 0.2086
CMYK	0.40, 0.59, 0.00, 0.21
HSL	260°, 53%, 56%
HSV	260°, 59%, 79%
XYZ	21.7202, 14.5417, 57.4251
YIQ	108.2270, -14.9550, 45.2770

Conversions

Conversions Part 2

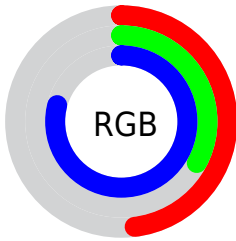
Format	Color
R _{YB}	122, 83, 202
Decimal	8016842
CIE Lab	45.00, 42.76, -56.42
CIE LCh	45, 70.788, 307.158
Yxy	14.5417, 0.2318, 0.1552
Android (android.graphics.Color)	4286206922 (0xFF7A53CA)
YUV	108.2270, 46.2301, 12.0789
Hunter-Lab	38.1336, 34.9365, -62.5908

Details

The CIELCh color **45, 70.788, 307.158** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **76, 62.178, 119.809**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 68.392, 307.568**, and **25, 70.728, 307.040** is the 20% darker color. If you saturate the color by 10%, you get **40, 82.853, 307.949**, and if you desaturate by 10%, it is **51, 58.278, 306.307**.

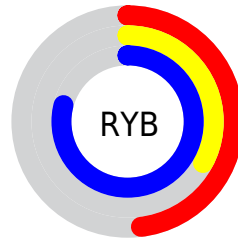
Distribution



Red (48%)

Green (33%)

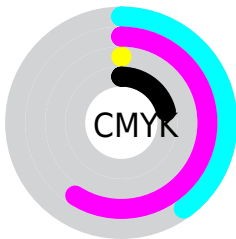
Blue (79%)



Red (48%)

Yellow (33%)

Blue (79%)

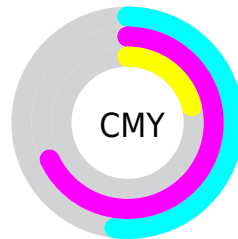


Cyan (40%)

Magenta (59%)

Yellow (0%)

Black (21%)



Cyan (52%)


Magenta (68%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 70.788, 307.158 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, 70.788, 307.158 by changing the saturation by 10% instead.


 45, 70.788,
307.158


 45, 70.788,
307.158


 100, 70.788,
307.158


 35, 70.788,
307.158

 65, 70.788,
307.158


 25, 70.788,
307.158

 75, 70.788,
307.158

 15, 70.788,
307.158

 85, 70.788,
307.158

 5, 70.788, 307.158

 95, 70.788,
307.158

 0, 70.788, 307.158

 45, 70.788,

 45, 70.788,

307.158

■ 40, 82.853,
307.949

■ 35, 93.715,
308.558

■ 31, 102.302,
308.822

■ 28, 107.893,
308.659

■ 28, 108.428,
308.646

307.158

■ 51, 58.278,
306.307

■ 57, 45.768,
305.470

■ 63, 33.493,
304.685

■ 69, 21.561,
303.972

■ 76, 10.014,
303.334

■ 82, 1.140, 122.833

■ 88, 11.908,
122.299

■ 94, 22.307,
121.873

■ 98, 27.187,
116.877

Harmonies

Complementary

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



45, 70.788, 307.158



76, 62.178, 119.809

Rectangle

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



45, 70.788, 307.158



45, 70.788, 357.158



45, 70.788, 127.158



45, 70.788, 177.158

Sweetspot

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



45, 70.787, 307.158



86, 24.728, 303.925



64, 30.092, 242.791



44, 17.269, 304.126



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, 70.787, 307.158



48, 102.937, 308.159



52, 72.383, 321.696



40, 6.405, 303.362



22, 93.513, 308.781



2, 23.948, 300.935

Inverse Universe

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



53, 59.567, 340.446



62, 81.937, 342.063



73, 71.198, 135.704



40, 5.990, 336.047



36, 65.840, 346.771



4, 22.249, 342.455

Previews

White Background



This preview shows how the CIELCh color 45, 70.788, 307.158 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, 70.788, 307.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

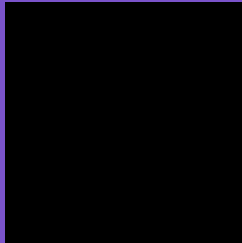
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 70.788, 307.158

Background



This preview shows how black text looks on a background with the CIELCh color 45, 70.788, 307.158.

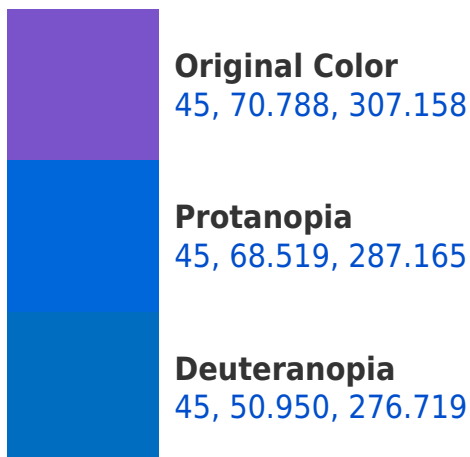


This preview shows how white text looks on a background with the CIELCh color 45, 70.788, 307.158.

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, 5.124, 268.283

Trichromacy



Original Color
45, 70.788, 307.158

Protanomaly
44, 69.171, 291.029

Deuteranomaly
43, 58.332, 286.755

Tritanomaly
44, 29.700, 301.543

Monochromacy



Original Color
45, 70.788, 307.158

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 26.317, 304.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 70.788, 307.158 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(122, 83, 202)` looks like.

```
.text, #text, p{  
    color:rgb(122, 83, 202)  
}
```

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(122, 83, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 83, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 70.788, 307.158 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(122, 83, 202) }
```

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

```
.border{ border-color:rgb(122, 83, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 83, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 83, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 83, 202);  
box-shadow:4px 4px 4px 4px rgb(122, 83,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 70.788, 307.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 83, 202) }
```

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

```
.background{ background-color: rgb(122, 83,  
202) }
```

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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