

Converting Colors

CIELCh(55, 45.599, 294.644)

Have a look what the booklet for
CIELCh(55, 45.599, 294.644)
contains.

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Color

CIELCh(55, 45.933, 294.666)

Conversions

Conversions Part 1

Format	Color
Hex	7A7CCC
RGB	122, 124, 204
RGB Percent	48%, 49%, 80%
CMY	0.5214, 0.5135, 0.1998
CMYK	0.40, 0.39, 0.00, 0.20
HSL	239°, 45%, 64%
HSV	239°, 40%, 80%
XYZ	26.1514, 22.9298, 60.2057
YIQ	132.5220, -26.8720, 24.4560

Conversions

Conversions Part 2

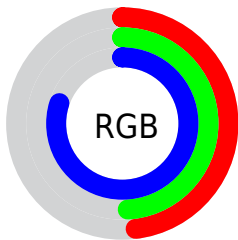
Format	Color
R _Y B	122, 124, 204
Decimal	8027340
CIE Lab	55.00, 19.17, -41.74
CIE LCh	55, 45.933, 294.666
Yxy	22.9298, 0.2393, 0.2098
Android (android.graphics.Color)	4286217420 (0xFF7A7CCC)
YUV	132.5220, 35.2387, -9.2278
Hunter-Lab	47.8851, 13.6848, -41.0255

Details

The CIELCh color $55, 45.933, 294.666$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $80, 41.599, 105.249$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 42.767, 294.483$, and $35, 45.998, 294.844$ is the 20% darker color. If you saturate the color by 10%, you get $48, 58.573, 296.625$, and if you desaturate by 10%, it is $62, 33.782, 292.963$.

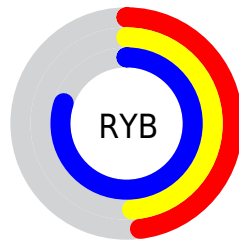
Distribution



Red (48%)

Green (49%)

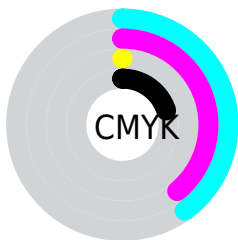
Blue (80%)



Red (48%)

Yellow (49%)

Blue (80%)

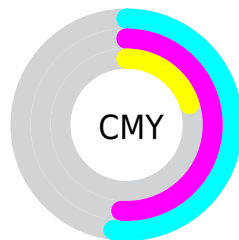


Cyan (40%)

Magenta (39%)

Yellow (0%)

Black (20%)



Cyan (52%)

Magenta (51%)

Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 45.933, 294.666 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 55, 45.933, 294.666 by changing the saturation by 10% instead.

 55, 45.933,
294.666

 55, 45.933,
294.666

 100, 45.933,
294.666

 45, 45.933,
294.666


 75, 45.933,
294.666

 35, 45.933,
294.666

 85, 45.933,
294.666

 25, 45.933,
294.666

 95, 45.933,
294.666

 15, 45.933,
294.666

 5, 45.933, 294.666

 0, 45.933, 294.666

■ 55, 45.933,
294.666

■ 55, 45.933,
294.666

■ 48, 58.573,
296.625

■ 62, 33.782,
292.963

■ 42, 71.592,
298.808

■ 68, 22.131,
291.507

■ 36, 84.613,
301.104

■ 75, 10.950,
290.271

■ 31, 96.740,
303.287

■ 82, 0.205, 289.579

■ 27, 106.401,
305.029

■ 89, 10.139,
108.312

■ 25, 112.062,
306.028

■ 95, 20.110,
107.552

■ 99, 25.710,
108.227

Harmonies

Complementary

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



55, 45.933, 294.666



80, 41.599, 105.249

Rectangle

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



55, 45.933, 294.666



55, 45.933, 344.666



55, 45.933, 114.666



55, 45.933, 164.666

Sweetspot

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



55, 45.932, 294.666



90, 15.518, 290.499



77, 26.436, 194.267



47, 10.319, 290.656



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 45.932, 294.666



61, 66.917, 296.303



58, 48.354, 310.010



39, 6.088, 290.183



19, 95.757, 305.953



1, 23.131, 291.860

Inverse Universe

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



60, 34.557, 21.526



69, 50.687, 23.082



78, 45.421, 125.983



40, 4.369, 17.955



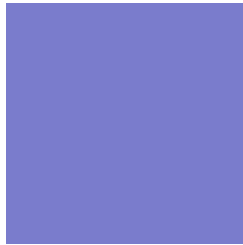
34, 74.558, 38.835



4, 17.919, 18.205

Previews

White Background



This preview shows how the CIELCh color 55, 45.933, 294.666 looks on a white background.

Color Contrast Check

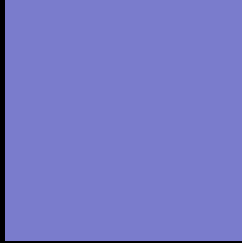
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 55, 45.933, 294.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

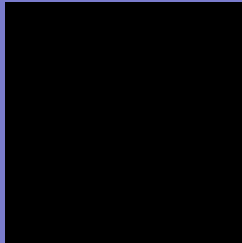
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 45.933, 294.666

Background



This preview shows how black text looks on a background with the CIELCh color 55, 45.933, 294.666.

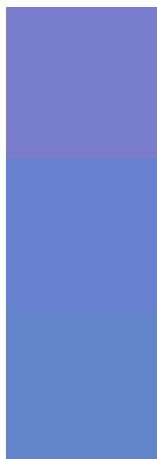


This preview shows how white text looks on a background with the CIELCh color 55, 45.933, 294.666.

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


55, 45.933, 294.666

Protanopia

55, 45.589, 285.536

Deuteranopia

55, 41.386, 281.137



Tritanopia
55, 11.678, 231.549

Trichromacy



Original Color
55, 45.933, 294.666

Protanomaly
55, 45.974, 289.013

Deuteranomaly
55, 43.269, 286.376

Tritanomaly
55, 21.418, 275.248

Monochromacy



Original Color
55, 45.933, 294.666

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 16.666, 290.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 45.933, 294.666 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, 124, 204)` looks like.

```
.text, #text, p{  
    color:rgb(122, 124, 204)  
}
```

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, 124, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 124, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 45.933, 294.666 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, 124, 204) }
```

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

```
.border{ border-color:rgb(122, 124, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 124, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 124, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 124, 204);  
box-shadow:4px 4px 4px 4px rgb(122, 124,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 45.933, 294.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 124, 204) }
```

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

```
.background{ background-color: rgb(122,  
124, 204) }
```

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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