

Converting Colors

CIELCh(45, 73.438, 299.147)

Have a look what the booklet for
CIELCh(45, 73.438, 299.147)
contains.

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Color

CIELCh(45, 73.203, 299.118)

Conversions

Conversions Part 1

Format	Color
Hex	5B5BD7
RGB	91, 91, 215
RGB Percent	36%, 36%, 84%
CMY	0.6443, 0.6441, 0.1580
CMYK	0.58, 0.58, 0.00, 0.16
HSL	240°, 61%, 60%
HSV	240°, 58%, 84%
XYZ	20.2344, 14.5417, 65.8394
YIQ	105.1360, -39.8040, 38.5640

Conversions

Conversions Part 2

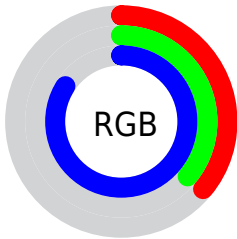
Format	Color
R_{YB}	91, 91, 215
Decimal	5987287
CIE _{Lab}	45.00, 35.62, -63.95
CIE _{LCh}	45, 73.203, 299.118
Yxy	14.5417, 0.2011, 0.1445
Android (android.graphics.Color)	4284177367 (0xFF5B5BD7)
YUV	105.1360, 54.1630, -12.3973
Hunter-Lab	38.1336, 27.9815, -75.6733

Details

The CIELCh color **45, 73.203, 299.118** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **84, 61.761, 104.777**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.575, 298.928**, and **25, 73.148, 299.122** is the 20% darker color. If you saturate the color by 10%, you get **39, 87.075, 301.340**, and if you desaturate by 10%, it is **52, 59.364, 297.018**.

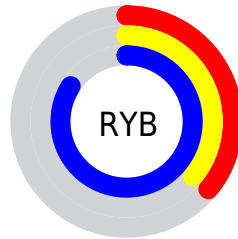
Distribution



Red (36%)

Green (36%)

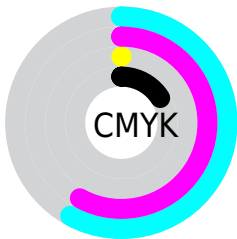
Blue (84%)



Red (36%)

Yellow (36%)

Blue (84%)

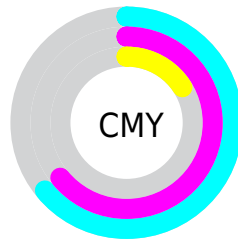


Cyan (58%)

Magenta (58%)

Yellow (0%)

Black (16%)



Cyan (64%)


Magenta (64%)

Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 73.203, 299.118 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, 73.203, 299.118 by changing the saturation by 10% instead.


 45, 73.203,
299.118


 45, 73.203,
299.118


 100, 73.203,
299.118


 35, 73.203,
299.118

 65, 73.203,
299.118


 25, 73.203,
299.118

 75, 73.203,
299.118

 15, 73.203,
299.118

 85, 73.203,
299.118

 5, 73.203, 299.118

 95, 73.203,
299.118

 0, 73.203, 299.118

 45, 73.203,

 45, 73.203,

299.118

■ 39, 87.075,
301.340

■ 33, 100.041,
303.459

■ 29, 110.405,
305.145

■ 27, 116.451,
306.115

■ 26, 117.510,
306.282

299.118

■ 52, 59.364,
297.018

■ 59, 45.945,
295.141

■ 66, 33.058,
293.514

■ 73, 20.710,
292.127

■ 80, 8.870, 290.954

■ 87, 2.501, 109.922

■ 95, 13.438,
109.098

■ 99, 20.359,
108.636

Harmonies

Complementary

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



45, 73.203, 299.118



84, 61.761, 104.777

Rectangle

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



45, 73.203, 299.118



45, 73.203, 349.118



45, 73.203, 119.118



45, 73.203, 169.118

Sweetspot

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



45, 73.203, 299.119



86, 22.767, 292.052



79, 35.837, 195.130



44, 15.292, 292.313



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, 73.203, 299.119



45, 102.099, 301.763



51, 73.098, 311.499



41, 6.497, 291.135



20, 99.100, 306.281



2, 27.567, 294.032

Inverse Universe

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



55, 54.733, 26.901



59, 76.669, 30.361



80, 66.739, 125.897



42, 4.550, 19.891



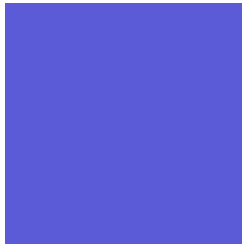
35, 77.328, 39.879



5, 21.999, 19.746

Previews

White Background



This preview shows how the CIE LCh color 45, 73.203, 299.118 looks on a white background.

Color Contrast Check

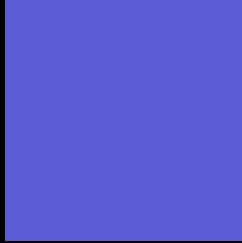
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.203, 299.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

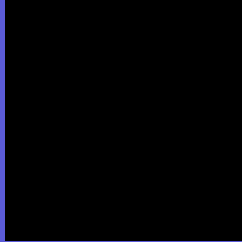
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 73.203, 299.118

Background



This preview shows how black text looks on a background with the CIELCh color 45, 73.203, 299.118.

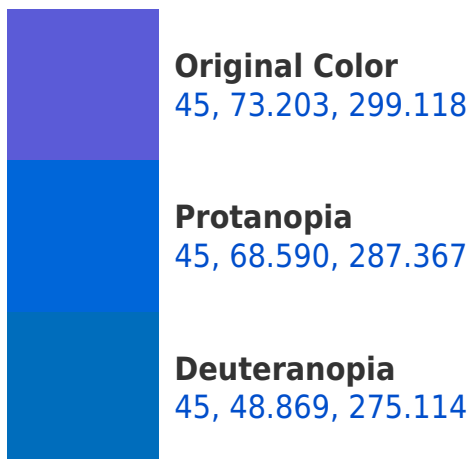


This preview shows how white text looks on a background with the CIELCh color 45, 73.203, 299.118.

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, 20.152, 213.007

Trichromacy



Original Color
45, 73.203, 299.118

Protanomaly
44, 70.282, 290.072

Deuteranomaly
44, 57.814, 284.592

Tritanomaly
44, 31.890, 273.598

Monochromacy



Original Color
45, 73.203, 299.118

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 26.994, 293.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 73.203, 299.118 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(91, 91, 215)` looks like.

```
.text, #text, p{  
    color:rgb(91, 91, 215)  
}
```

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(91, 91, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 91, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 73.203, 299.118 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(91, 91, 215) }
```

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

```
.border{ border-color:rgb(91, 91, 215) }
```

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

Here you see how a box with a 4 pixel rgb(91, 91, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 91, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 91, 215);  
box-shadow:4px 4px 4px 4px rgb(91, 91,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 73.203, 299.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 91, 215) }
```

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

```
.background{ background-color: rgb(91, 91,  
215) }
```

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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