

Converting Colors

CIELCh(45, 81.276, 297.486)

Have a look what the booklet for
CIELCh(45, 81.276, 297.486)
contains.

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Color

CIELCh(45, 81.249, 297.469)

Conversions

Conversions Part 1

Format	Color
Hex	495BE5
RGB	73, 91, 229
RGB Percent	29%, 36%, 90%
CMY	0.7140, 0.6433, 0.1022
CMYK	0.68, 0.60, 0.00, 0.10
HSL	233°, 75%, 59%
HSV	233°, 68%, 90%
XYZ	20.6142, 14.5417, 75.8076
YIQ	101.3500, -55.0260, 39.1020

Conversions

Conversions Part 2

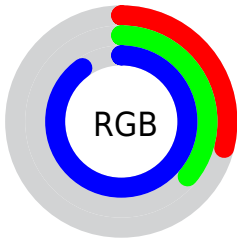
Format	Color
R_{YB}	73, 89, 229
Decimal	4807653
CIE _{Lab}	45.00, 37.48, -72.09
CIE _{LCh}	45, 81.249, 297.469
Yxy	14.5417, 0.1858, 0.1310
Android (android.graphics.Color)	4282997733 (0xFF495BE5)
YUV	101.3500, 62.9315, -24.8629
Hunter-Lab	38.1336, 29.7593, -91.1720

Details

The CIELCh color $45, 81.249, 297.469$ is a dark color, and the websafe version is hex $3366FF$. The color can be described as dark muted blue. A complement of this color would be $84, 68.043, 97.675$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 63.583, 296.053$, and $27, 79.826, 299.702$ is the 20% darker color. If you saturate the color by 10%, you get $39, 94.307, 300.126$, and if you desaturate by 10%, it is $51, 68.113, 294.903$.

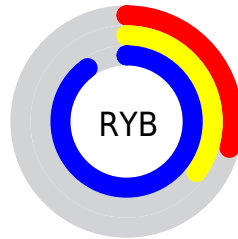
Distribution



Red (29%)

Green (36%)

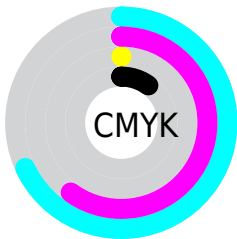
Blue (90%)



Red (29%)

Yellow (35%)

Blue (90%)

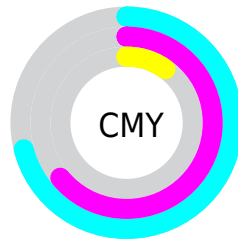


Cyan (68%)

Magenta (60%)

Yellow (0%)

Black (10%)



Cyan (71%)


Magenta (64%)

Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 81.249, 297.469 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, 81.249, 297.469 by changing the saturation by 10% instead.

 45, 81.249,
297.469


 45, 81.249,
297.469


 100, 81.249,
297.469

 35, 81.249,
297.469

 65, 81.249,
297.469


 25, 81.249,
297.469

 75, 81.249,
297.469

 15, 81.249,
297.469

 85, 81.249,
297.469

 5, 81.249, 297.469

 95, 81.249,
297.469

 0, 81.249, 297.469

 45, 81.249,

 45, 81.249,

297.469

297.469

■ 39, 94.307,
300.126

■ 51, 68.113,
294.903

■ 34, 106.360,
302.619

■ 58, 55.312,
292.566

■ 31, 115.928,
304.620

■ 65, 42.975,
290.514

■ 30, 117.330,
304.896


■ 72, 31.113,
288.748

■ 78, 19.697,
287.240

■ 85, 8.691, 285.963

■ 92, 1.937, 104.786

■ 99, 12.187,
105.763

 99, 13.186,
109.181

Harmonies

Complementary

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



45, 81.249, 297.469



84, 68.043, 97.675

Rectangle

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



45, 81.249, 297.469



45, 81.249, 347.469



45, 81.249, 117.469



45, 81.249, 167.469

Sweetspot

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



45, 81.249, 297.470



85, 23.781, 287.519



83, 44.445, 183.818



43, 16.307, 287.934



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, 81.249, 297.470



42, 108.214, 301.247



46, 90.478, 309.303



44, 6.087, 286.118



23, 96.448, 304.617



3, 30.986, 294.424

Inverse Universe

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



54, 65.794, 21.873



56, 85.342, 27.664



84, 78.619, 121.921



45, 4.863, 10.639



37, 75.061, 34.897



6, 26.788, 16.969

Previews

White Background



This preview shows how the CIELCh color 45, 81.249, 297.469 looks on a white background.

Color Contrast Check

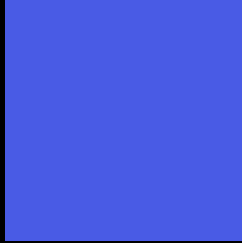
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.249, 297.469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

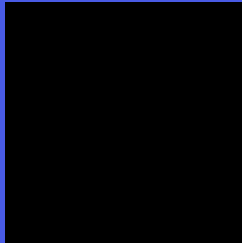
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 81.249, 297.469

Background



This preview shows how black text looks on a background with the CIELCh color 45, 81.249, 297.469.

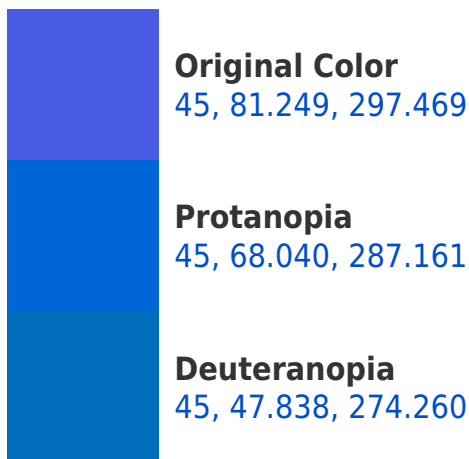


This preview shows how white text looks on a background with the CIELCh color 45, 81.249, 297.469.

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, 27.222, 208.191

Trichromacy



Original Color
45, 81.249, 297.469

Protanomaly
45, 73.116, 290.543

Deuteranomaly
44, 60.114, 285.108

Tritanomaly
44, 36.387, 264.668

Monochromacy



Original Color
45, 81.249, 297.469

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 30.738, 290.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 81.249, 297.469 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(73, 91, 229)` looks like.

```
.text, #text, p{  
    color:rgb(73, 91, 229)  
}
```

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(73, 91, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 91, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 81.249, 297.469 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(73, 91, 229) }
```

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

```
.border{ border-color:rgb(73, 91, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 91, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 91, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 91, 229);  
box-shadow:4px 4px 4px 4px rgb(73, 91,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 81.249, 297.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 91, 229) }
```

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

```
.background{ background-color: rgb(73, 91,  
229) }
```

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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