

Converting Colors

CIELCh(43, 84.050, 299.936)

Have a look what the booklet for
CIELCh(43, 84.050, 299.936)
contains.

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Color

CIELCh(43, 84.567, 300.099)

Conversions

Conversions Part 1

Format	Color
Hex	4F52E1
RGB	79, 82, 225
RGB Percent	31%, 32%, 88%
CMY	0.6897, 0.6781, 0.1172
CMYK	0.65, 0.64, 0.00, 0.12
HSL	239°, 71%, 60%
HSV	239°, 65%, 88%
XYZ	19.8642, 13.1578, 72.8033
YIQ	97.4050, -47.6910, 43.8370

Conversions

Conversions Part 2

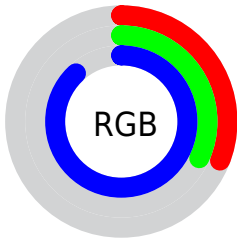
Format	Color
R _Y B	79, 82, 225
Decimal	5198561
CIE Lab	43.00, 42.41, -73.16
CIE LCh	43, 84.567, 300.099
Yxy	13.1578, 0.1877, 0.1243
Android (android.graphics.Color)	4283388641 (0xFF4F52E1)
YUV	97.4050, 62.9043, -16.1412
Hunter-Lab	36.2736, 34.2713, -93.6070

Details

The CIELCh color **43, 84.567, 300.099** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **86, 69.497, 103.259**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 69.068, 299.546**, and **24, 83.162, 301.548** is the 20% darker color. If you saturate the color by 10%, you get **37, 98.365, 302.370**, and if you desaturate by 10%, it is **50, 70.336, 297.837**.

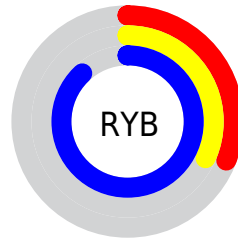
Distribution



Red (31%)

Green (32%)

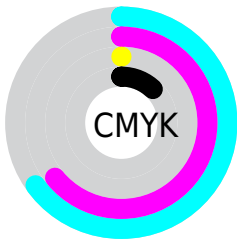
Blue (88%)



Red (31%)

Yellow (32%)

Blue (88%)

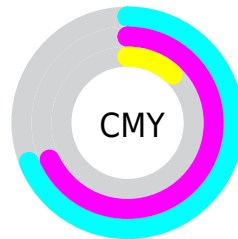


Cyan (65%)

Magenta (64%)

Yellow (0%)

Black (12%)



Cyan (69%)

Magenta (68%)

Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 84.567, 300.099 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 43, 84.567, 300.099 by changing the saturation by 10% instead.

 43, 84.567,
300.099

 43, 84.567,
300.099


 100, 84.567,
300.099

 33, 84.567,
300.099

 63, 84.567,
300.099

 23, 84.567,
300.099

 73, 84.567,
300.099

 13, 84.567,
300.099

 83, 84.567,
300.099

 3, 84.567, 300.099

 93, 84.567,
300.099

 0, 84.567, 300.099

 43, 84.567,

 43, 84.567,

300.099

300.099

■ 37, 98.365,
302.370

■ 50, 70.336,
297.837

■ 32, 110.328,
304.354

■ 57, 56.352,
295.754

■ 29, 118.491,
305.709

■ 64, 42.863,
293.918

■ 28, 120.938,
306.097

■ 71, 29.925,
292.339

■ 79, 17.521,
290.997

■ 86, 5.613, 289.866

■ 93, 5.835, 108.872

■ 99, 15.124,
109.035

Harmonies

Complementary

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



43, 84.567, 300.099



86, 69.497, 103.259

Rectangle

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



43, 84.567, 300.099



43, 84.567, 350.099



43, 84.567, 120.099



43, 84.567, 170.099

Sweetspot

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



43, 84.567, 300.100



85, 25.024, 291.545



82, 40.258, 192.989



43, 17.324, 291.936



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



43, 84.567, 300.100



40, 113.285, 303.155



49, 84.944, 311.354



43, 6.615, 290.360



21, 100.354, 306.029



2, 31.188, 295.425

Inverse Universe

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



54, 64.119, 27.576



57, 86.035, 32.322



83, 76.212, 125.142



44, 4.727, 18.295



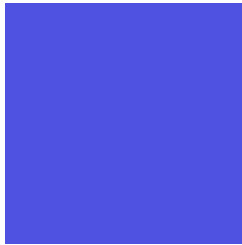
36, 78.225, 39.123



6, 25.491, 20.090

Previews

White Background



This preview shows how the CIELCh color 43, 84.567, 300.099 looks on a white background.

Color Contrast Check

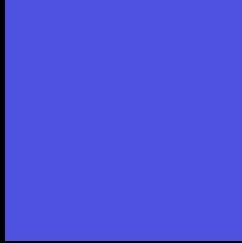
Large Text (above 18pt) WCAG AA ✓ Pass

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 43, 84.567, 300.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

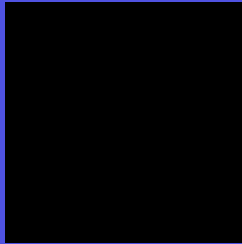
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 84.567, 300.099

Background



This preview shows how black text looks on a background with the CIELCh color 43, 84.567, 300.099.

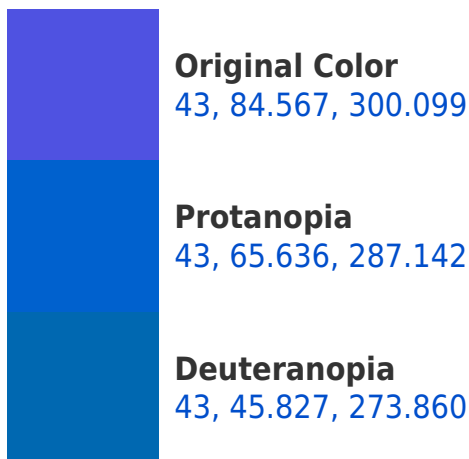


This preview shows how white text looks on a background with the CIELCh color 43, 84.567, 300.099.

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
43, 26.372, 208.673

Trichromacy



Original Color
43, 84.567, 300.099

Protanomaly
42, 72.478, 291.520

Deuteranomaly
42, 59.327, 286.219

Tritanomaly
41, 37.544, 269.391

Monochromacy



Original Color
43, 84.567, 300.099

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 31.563, 294.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 84.567, 300.099 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(79, 82, 225)` looks like.

```
.text, #text, p{  
    color:rgb(79, 82, 225)  
}
```

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(79, 82, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 82, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 84.567, 300.099 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(79, 82, 225) }
```

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

```
.border{ border-color:rgb(79, 82, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 82, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 82, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 82, 225);  
box-shadow:4px 4px 4px 4px rgb(79, 82,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 84.567, 300.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 82, 225) }
```

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

```
.background{ background-color: rgb(79, 82,  
225) }
```

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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