

Converting Colors

CIELCh(43, 85.762, 301.450)

Have a look what the booklet for
CIELCh(43, 85.762, 301.450)
contains.

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Color

CIELCh(43, 85.623, 301.381)

Conversions

Conversions Part 1

Format	Color
Hex	5650E1
RGB	86, 80, 225
RGB Percent	34%, 31%, 88%
CMY	0.6626, 0.6862, 0.1175
CMYK	0.62, 0.64, 0.00, 0.12
HSL	242°, 71%, 60%
HSV	242°, 64%, 88%
XYZ	20.3044, 13.1578, 72.7214
YIQ	98.3240, -42.9690, 46.3670

Conversions

Conversions Part 2

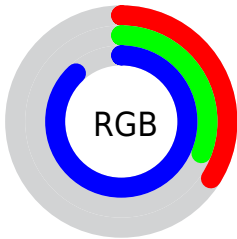
Format	Color
R_{YB}	86, 80, 225
Decimal	5656801
CIE _{Lab}	43.00, 44.59, -73.10
CIE _{LCh}	43, 85.623, 301.381
Yxy	13.1578, 0.1912, 0.1239
Android (android.graphics.Color)	4283846881 (0xFF5650E1)
YUV	98.3240, 62.4513, -10.8081
Hunter-Lab	36.2736, 36.4379, -93.4731

Details

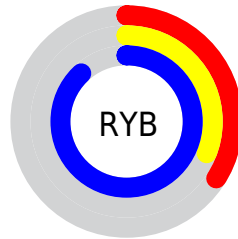
The CIELCh color **43, 85.623, 301.381** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **87, 70.292, 106.351**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 70.312, 301.358**, and **24, 84.879, 302.175** is the 20% darker color. If you saturate the color by 10%, you get **37, 99.430, 303.343**, and if you desaturate by 10%, it is **50, 71.238, 299.394**.

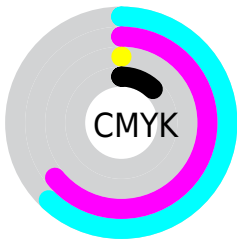
Distribution



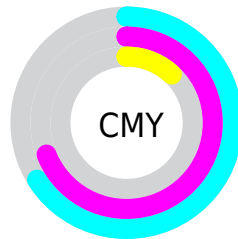
- Red (34%)
- Green (31%)
- Blue (88%)



- Red (34%)
- Yellow (31%)
- Blue (88%)



- Cyan (62%)
- Magenta (64%)
- Yellow (0%)
- Black (12%)





- Cyan (66%)
- Magenta (69%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 85.623, 301.381 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, 85.623, 301.381 by changing the saturation by 10% instead.


 43, 85.623,
301.381


 43, 85.623,
301.381


 100, 85.623,
301.381


 33, 85.623,
301.381

 63, 85.623,
301.381


 23, 85.623,
301.381

 73, 85.623,
301.381

 13, 85.623,
301.381

 83, 85.623,
301.381

 3, 85.623, 301.381

 93, 85.623,
301.381

 0, 85.623, 301.381

 43, 85.623,

 43, 85.623,

301.381

■ 37, 99.430,
303.343

■ 32, 111.197,
304.998

■ 29, 118.957,
306.030

■ 28, 121.558,
306.383

301.381

■ 50, 71.238,
299.394

■ 57, 57.022,
297.543

■ 64, 43.269,
295.898

■ 72, 30.062,
294.475

■ 79, 17.399,
293.258

■ 86, 5.249, 292.229

■ 94, 6.424, 111.330

■ 99, 15.165,
109.031

Harmonies

Complementary

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



43, 85.623, 301.381



87, 70.292, 106.351

Rectangle

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



43, 85.623, 301.381



43, 85.623, 351.381



43, 85.623, 121.381



43, 85.623, 171.381

Sweetspot

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



43, 85.623, 301.382



85, 25.583, 293.805



81, 37.995, 200.786



43, 17.712, 294.161



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, 85.623, 301.382



40, 113.626, 303.903



50, 84.380, 313.226



43, 6.760, 292.721



21, 101.089, 306.417



2, 31.694, 296.837

Inverse Universe

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



59, 84.010, 328.932



63, 103.673, 329.406



82, 77.239, 127.490



44, 7.927, 326.074



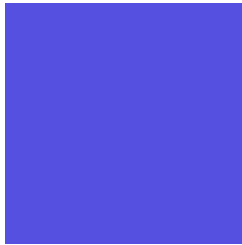
41, 84.702, 329.946



8, 34.945, 329.648

Previews

White Background



This preview shows how the CIELCh color 43, 85.623, 301.381 looks on a white background.

Color Contrast Check

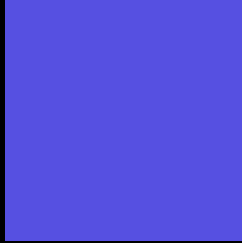
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.623, 301.381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

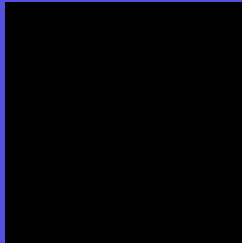
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 85.623, 301.381

Background



This preview shows how black text looks on a background with the CIELCh color 43, 85.623, 301.381.



This preview shows how white text looks on a background with the CIELCh color 43, 85.623, 301.381.

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

43, 85.623, 301.381

Protanopia

43, 65.636, 287.142

Deuteranopia

43, 45.827, 273.860



Tritanopia
43, 23.604, 210.381

Trichromacy



Original Color
43, 85.623, 301.381

Protanomaly
42, 73.096, 291.989

Deuteranomaly
42, 59.920, 286.864

Tritanomaly
42, 36.537, 274.305

Monochromacy



Original Color
43, 85.623, 301.381

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 32.234, 296.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 85.623, 301.381 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(86, 80, 225)` looks like.

```
.text, #text, p{  
    color:rgb(86, 80, 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(86, 80, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 80, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 85.623, 301.381 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(86, 80, 225) }
```

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

```
.border{ border-color:rgb(86, 80, 225) }
```

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

Here you see how a box with a 4 pixel rgb(86, 80, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 80, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 80, 225);  
box-shadow:4px 4px 4px 4px rgb(86, 80,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 85.623, 301.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 80, 225) }
```

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

```
.background{ background-color: rgb(86, 80,  
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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