

Converting Colors

CIELCh(43, 104.581, 303.816)

Have a look what the booklet for
CIELCh(43, 104.581, 303.816)
contains.

CIELCh(43, 104.437, 303.872)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	27

Color

CIELCh(43, 104.437, 303.872)

Conversions

Conversions Part 1

Format	Color
Hex	5745F9
RGB	87, 69, 249
RGB Percent	34%, 27%, 98%
CMY	0.6580, 0.7289, 0.0229
CMYK	0.65, 0.72, 0.00, 0.02
HSL	246°, 94%, 62%
HSV	246°, 72%, 98%
XYZ	23.2087, 13.1578, 91.0680
YIQ	94.9020, -47.0520, 59.7960

Conversions

Conversions Part 2

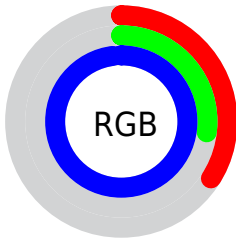
Format	Color
R_{YB}	87, 69, 249
Decimal	5719545
CIE _{Lab}	43.00, 58.21, -86.71
CIE _{LCh}	43, 104.437, 303.872
Yxy	13.1578, 0.1821, 0.1033
Android (android.graphics.Color)	4283909625 (0xFF5745F9)
YUV	94.9020, 75.9703, -6.9301
Hunter-Lab	36.2736, 50.7294, -123.4610

Details

The CIELCh color $43, 104.437, 303.872$ is a dark color, and the websafe version is hex $6633FF$. The color can be described as middle washed blue. A complement of this color would be $94, 83.328, 108.907$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $59, 76.462, 304.587$, and $24, 102.810, 305.002$ is the 20% darker color. If you saturate the color by 10%, you get $37, 117.584, 305.321$, and if you desaturate by 10%, it is $50, 89.443, 302.185$.

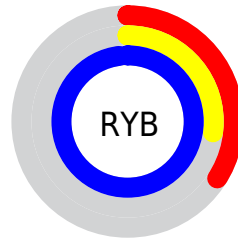
Distribution



Red (34%)

Green (27%)

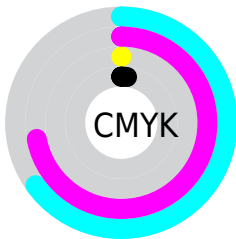
Blue (98%)



Red (34%)

Yellow (27%)

Blue (98%)

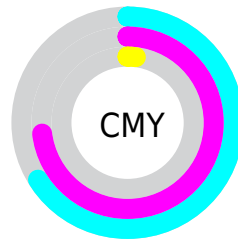


Cyan (65%)

Magenta (72%)

Yellow (0%)

Black (2%)



Cyan (66%)


Magenta (73%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 104.437, 303.872 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, 104.437, 303.872 by changing the saturation by 10% instead.


 43, 104.437,
303.872


 43, 104.437,
303.872


 100, 104.437,
303.872


 33, 104.437,
303.872


 63, 104.437,
303.872


 23, 104.437,
303.872


 73, 104.437,
303.872


 13, 104.437,
303.872


 83, 104.437,
303.872

 3, 104.437,
303.872

 93, 104.437,
303.872

 0, 104.437,
303.872

 43, 104.437,

 43, 104.437,

303.872

303.872

■ 37, 117.584,
305.321

■ 50, 89.443,
302.185

■ 34, 126.904,
306.239

■ 57, 73.962,
300.485

■ 32, 130.929,
306.548

■ 65, 58.684,
298.903

■ 73, 43.890,
297.493

■ 80, 29.663,
296.266

■ 88, 16.007,
295.212

■ 96, 2.895, 294.318

■ 100, 2.951,
109.931

Harmonies

Complementary

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



43, 104.437, 303.872



94, 83.328, 108.907

Rectangle

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



43, 104.437, 303.872



43, 104.437, 353.872



43, 104.437, 123.872



43, 104.437, 173.872

Sweetspot

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



43, 104.438, 303.873



82, 29.866, 296.241



85, 40.825, 210.513



42, 20.180, 296.555



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, 104.438, 303.873



36, 124.883, 305.850



52, 100.916, 315.292



48, 7.403, 294.949



23, 106.147, 306.612



3, 42.310, 302.969

Inverse Universe

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



62, 94.400, 331.409



60, 104.430, 332.143



89, 93.539, 129.553



49, 8.316, 327.813



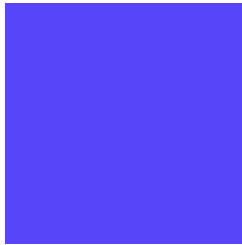
44, 85.168, 332.688



11, 38.918, 332.071

Previews

White Background



This preview shows how the CIE LCh color 43, 104.437, 303.872 looks on a white background.

Color Contrast Check

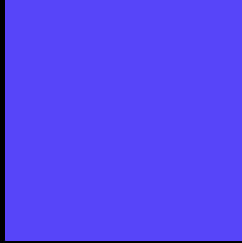
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 43, 104.437, 303.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

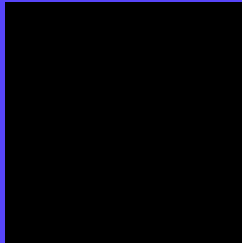
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 104.437, 303.872

Background



This preview shows how black text looks on a background with the CIELCh color 43, 104.437, 303.872.

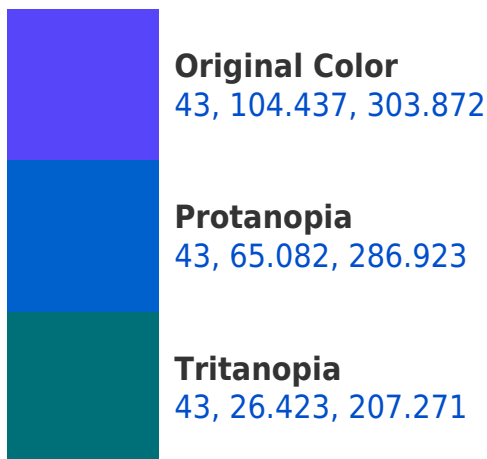


This preview shows how white text looks on a background with the CIELCh color 43, 104.437, 303.872.

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



Trichromacy



Original Color
43, 104.437, 303.872

Protanomaly
42, 80.085, 294.383

Tritanomaly
40, 44.284, 278.073

Monochromacy



Original Color
43, 104.437, 303.872

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 39.721, 298.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 104.437, 303.872 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(87, 69, 249)` looks like.

```
.text, #text, p{  
    color:rgb(87, 69, 249)  
}
```

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(87, 69, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 69, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 104.437, 303.872 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(87, 69, 249) }
```

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

```
.border{ border-color:rgb(87, 69, 249) }
```

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

Here you see how a box with a 4 pixel rgb(87, 69, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 69, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 69, 249);  
box-shadow:4px 4px 4px 4px rgb(87, 69,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 104.437, 303.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 69, 249) }
```

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

```
.background{ background-color: rgb(87, 69,  
249) }
```

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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