

Converting Colors

CIELCh(43, 104.805, 301.405)

Have a look what the booklet for
CIELCh(43, 104.805, 301.405)
contains.

CIELCh(43, 105.012, 301.448)	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>	28

Color

CIELCh(43, 105.012, 301.448)

Conversions

Conversions Part 1

Format	Color
Hex	3F4AFE
RGB	63, 74, 254
RGB Percent	25%, 29%, 100%
CMY	0.7516, 0.7091, 0.0031
CMYK	0.75, 0.71, 0.00, 0.00
HSL	237°, 99%, 62%
HSV	237°, 75%, 100%
XYZ	22.4551, 13.1578, 95.2999
YIQ	91.2310, -64.3360, 53.6480

Conversions

Conversions Part 2

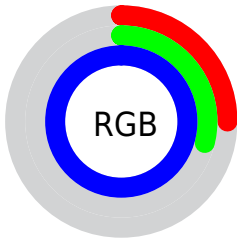
Format	Color
R _Y B	63, 73, 254
Decimal	4147966
CIE Lab	43.00, 54.79, -89.59
CIE LCh	43, 105.012, 301.448
Yxy	13.1578, 0.1715, 0.1005
Android (android.graphics.Color)	4282338046 (0xFF3F4AFE)
YUV	91.2310, 80.2451, -24.7586
Hunter-Lab	36.2736, 47.0213, -130.3781

Details

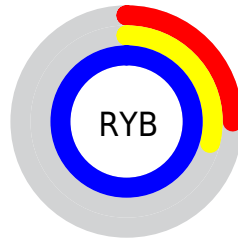
The CIELCh color **43, 105.012, 301.448** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **94, 82.877, 100.502**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 73.984, 300.516**, and **26, 101.697, 304.140** is the 20% darker color. If you saturate the color by 10%, you get **38, 118.377, 303.662**, and if you desaturate by 10%, it is **50, 90.089, 299.014**.

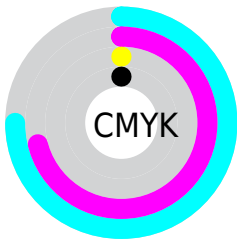
Distribution



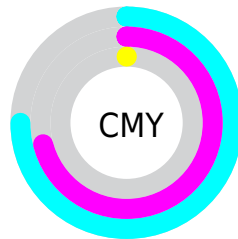
- Red (25%)
- Green (29%)
- Blue (100%)



- Red (25%)
- Yellow (29%)
- Blue (100%)



- Cyan (75%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (71%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 105.012, 301.448 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, 105.012, 301.448 by changing the saturation by 10% instead.


 43, 105.012,
301.448


 43, 105.012,
301.448


 100, 105.012,
301.448


 33, 105.012,
301.448


 63, 105.012,
301.448


 23, 105.012,
301.448


 73, 105.012,
301.448

 13, 105.012,
301.448


 83, 105.012,
301.448

 3, 105.012,
301.448

 93, 105.012,
301.448

 0, 105.012,
301.448

 43, 105.012,

 43, 105.012,

301.448

301.448

■ 38, 118.377,
303.662

■ 50, 90.089,
299.014

■ 34, 128.196,
305.312

■ 57, 74.908,
296.633

■ 33, 131.219,
305.813

■ 64, 60.071,
294.460

■ 72, 45.780,
292.555

■ 80, 32.067,
290.919

■ 88, 18.905,
289.529

■ 96, 6.254, 288.358

100, 0.388,
109.950

Harmonies

Complementary

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



43, 105.012, 301.448



94, 82.877, 100.502

Rectangle

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



43, 105.012, 301.448



43, 105.012, 351.448



43, 105.012, 121.448



43, 105.012, 171.448

Sweetspot

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



43, 105.013, 301.449



82, 29.361, 290.612



91, 48.802, 188.555



41, 20.469, 291.154



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, 105.013, 301.449



36, 124.087, 304.567



48, 107.007, 310.853



49, 7.072, 288.850



24, 105.261, 305.635



4, 42.328, 300.789

Inverse Universe

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



57, 80.964, 28.823



54, 95.604, 34.996



92, 93.061, 123.950



50, 5.261, 15.360



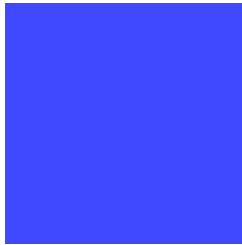
40, 81.867, 37.863



10, 32.913, 24.898

Previews

White Background



This preview shows how the CIELCh color 43, 105.012, 301.448 looks on a white background.

Color Contrast Check

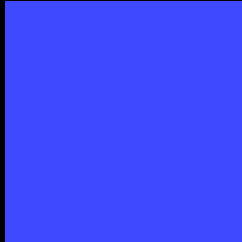
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.012, 301.448 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, 105.012, 301.448

Background



This preview shows how black text looks on a background with the CIELCh color 43, 105.012, 301.448.

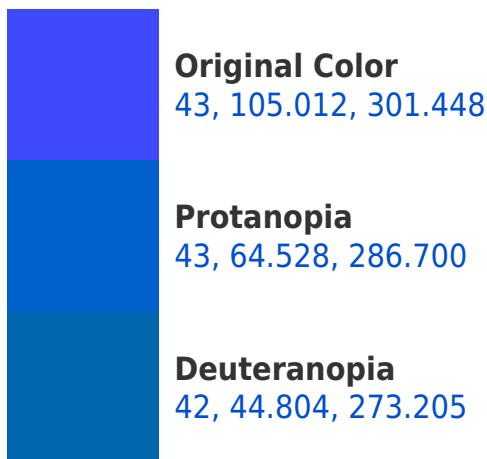



This preview shows how white text looks on a background with the CIELCh color 43, 105.012, 301.448.

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, 26.567, 204.487

Trichromacy



Original Color
43, 105.012, 301.448

Protanomaly
42, 79.446, 293.479

Deuteranomaly
42, 66.322, 289.073

Tritanomaly
41, 43.947, 275.869

Monochromacy



Original Color
43, 105.012, 301.448

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 39.792, 294.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 105.012, 301.448 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(63, 74, 254)` looks like.

```
.text, #text, p{  
    color:rgb(63, 74, 254)  
}
```

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(63, 74, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 74, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 105.012, 301.448 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(63, 74, 254) }
```

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

```
.border{ border-color:rgb(63, 74, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 74, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 74, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 74, 254);  
box-shadow:4px 4px 4px 4px rgb(63, 74,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 105.012, 301.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 74, 254) }
```

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

```
.background{ background-color: rgb(63, 74,  
254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor