

Converting Colors

CIELCh(41, 99.310, 302.167)

Have a look what the booklet for
CIELCh(41, 99.310, 302.167)
contains.

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Color

CIELCh(41, 99.402, 302.100)

Conversions

Conversions Part 1

Format	Color
Hex	4646EF
RGB	70, 70, 239
RGB Percent	27%, 27%, 94%
CMY	0.7267, 0.7263, 0.0637
CMYK	0.71, 0.71, 0.00, 0.06
HSL	240°, 84%, 60%
HSV	240°, 71%, 94%
XYZ	20.2261, 11.8645, 82.7040
YIQ	89.2660, -54.2490, 52.5590

Conversions

Conversions Part 2

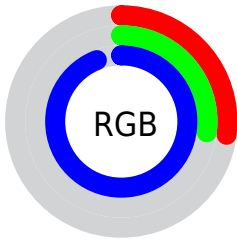
Format	Color
R _Y B	70, 70, 239
Decimal	4605679
CIE Lab	41.00, 52.82, -84.21
CIE LCh	41, 99.402, 302.100
Yxy	11.8645, 0.1762, 0.1034
Android (android.graphics.Color)	4282795759 (0xFF4646EF)
YUV	89.2660, 73.8189, -16.8963
Hunter-Lab	34.4449, 44.5369, -118.2468

Details

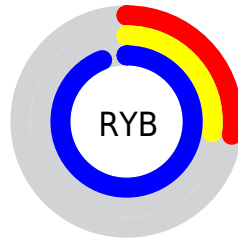
The CIELCh color **41, 99.402, 302.100** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **92, 79.037, 103.813**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 76.432, 301.821**, and **24, 97.155, 304.414** is the 20% darker color. If you saturate the color by 10%, you get **35, 112.784, 304.123**, and if you desaturate by 10%, it is **48, 84.470, 299.869**.

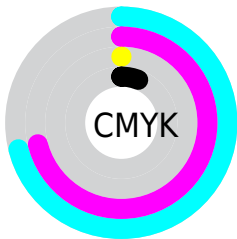
Distribution



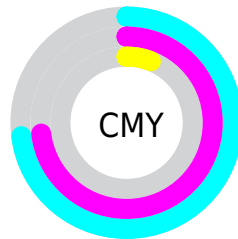
- Red (27%)
- Green (27%)
- Blue (94%)



- Red (27%)
- Yellow (27%)
- Blue (94%)



- Cyan (71%)
- Magenta (71%)
- Yellow (0%)
- Black (6%)





- Cyan (73%)
- Magenta (73%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 99.402, 302.100 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 41, 99.402, 302.100 by changing the saturation by 10% instead.


 41, 99.402,
302.100


 41, 99.402,
302.100


 100, 99.402,
302.100


 31, 99.402,
302.100

 61, 99.402,
302.100


 21, 99.402,
302.100

 71, 99.402,
302.100

 11, 99.402,
302.100


 81, 99.402,
302.100

 1, 99.402, 302.100

 91, 99.402,
302.100

 0, 99.402, 302.100

 41, 99.402,

 41, 99.402,

302.100

302.100

■ 35, 112.784,
304.123

■ 48, 84.470,
299.869

■ 32, 122.530,
305.580

■ 55, 69.306,
297.697

■ 30, 127.288,
306.281

■ 63, 54.506,
295.727

■ 70, 40.269,
294.007

■ 78, 26.627,
292.537

■ 86, 13.554,
291.291

■ 94, 1.009, 290.302

■ 100, 8.218,
109.553

Harmonies

Complementary

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



41, 99.402, 302.100



92, 79.037, 103.813

Rectangle

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



41, 99.402, 302.100



41, 99.402, 352.100



41, 99.402, 122.100



41, 99.402, 172.100

Sweetspot

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



41, 99.403, 302.101



83, 28.354, 292.572



86, 43.753, 194.652



42, 19.303, 292.958



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 99.403, 302.101



36, 123.754, 304.867



48, 96.457, 312.023



46, 7.126, 291.140



22, 104.524, 306.279



3, 37.791, 298.738

Inverse Universe

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



55, 74.701, 30.869



55, 94.306, 36.039



87, 86.073, 125.723



47, 4.993, 19.883



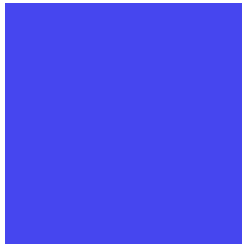
38, 81.671, 39.967



8, 29.833, 23.779

Previews

White Background



This preview shows how the CIE LCh color 41, 99.402, 302.100 looks on a white background.

Color Contrast Check

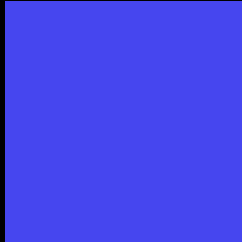
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 99.402, 302.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

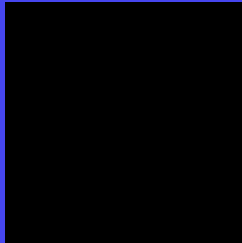
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 99.402, 302.100

Background



This preview shows how black text looks on a background with the CIELCh color 41, 99.402, 302.100.



This preview shows how white text looks on a background with the CIELCh color 41, 99.402, 302.100.

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

41, 99.402, 302.100

Protanopia

41, 62.650, 286.892

Deuteranopia

41, 43.278, 272.917



Tritanopia
40, 25.451, 206.362

Trichromacy



Original Color
41, 99.402, 302.100

Protanomaly
40, 76.562, 293.711

Deuteranomaly
40, 63.869, 289.335

Tritanomaly
39, 41.807, 275.899

Monochromacy



Original Color
41, 99.402, 302.100

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 37.582, 295.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 99.402, 302.100 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(70, 70, 239)` looks like.

```
.text, #text, p{  
    color:rgb(70, 70, 239)  
}
```

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(70, 70, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 70, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 99.402, 302.100 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(70, 70, 239) }
```

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

```
.border{ border-color:rgb(70, 70, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 70, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 70, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 70, 239);  
box-shadow:4px 4px 4px 4px rgb(70, 70,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 99.402, 302.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 70, 239) }
```

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

```
.background{ background-color: rgb(70, 70,  
239) }
```

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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