

Converting Colors

CIELCh(41, 103.996, 299.384)

Have a look what the booklet for
CIELCh(41, 103.996, 299.384)
contains.

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Color

CIELCh(41, 103.867, 299.355)

Conversions

Conversions Part 1

Format	Color
Hex	0D4AFA
RGB	13, 74, 250
RGB Percent	5%, 29%, 98%
CMY	0.9509, 0.7101, 0.0200
CMYK	0.95, 0.70, 0.00, 0.02
HSL	224°, 96%, 51%
HSV	224°, 95%, 98%
XYZ	19.8415, 11.8645, 91.6050
YIQ	75.8250, -92.8520, 41.8040

Conversions

Conversions Part 2

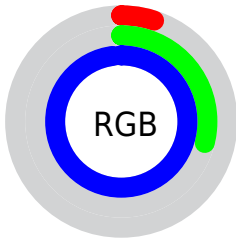
Format	Color
R _Y B	13, 62, 250
Decimal	871162
CIE Lab	41.00, 50.92, -90.53
CIE LCh	41, 103.867, 299.355
Yxy	11.8645, 0.1609, 0.0962
Android (android.graphics.Color)	4279061242 (0xFF0D4AFA)
YUV	75.8250, 85.8683, -55.0975
Hunter-Lab	34.4449, 42.5435, -133.5681

Details

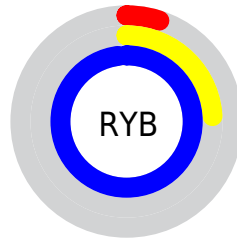
The CIELCh color **41, 103.867, 299.355** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **80, 81.328, 83.218**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 74.765, 296.915**, and **26, 98.911, 303.780** is the 20% darker color. If you saturate the color by 10%, you get **39, 109.357, 300.818**, and if you desaturate by 10%, it is **46, 92.241, 296.131**.

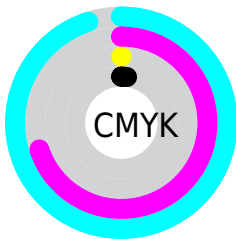
Distribution



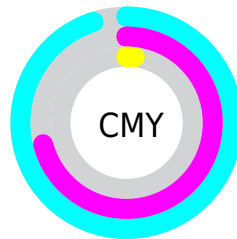
- Red (5%)
- Green (29%)
- Blue (98%)



- Red (5%)
- Yellow (24%)
- Blue (98%)



- Cyan (95%)
- Magenta (70%)
- Yellow (0%)
- Black (2%)





- Cyan (95%)
- Magenta (71%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 103.867, 299.355 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, 103.867, 299.355 by changing the saturation by 10% instead.


 41, 103.867,
299.355


 41, 103.867,
299.355


 100, 103.867,
299.355


 31, 103.867,
299.355


 61, 103.867,
299.355


 21, 103.867,
299.355


 71, 103.867,
299.355


 11, 103.867,
299.355


 81, 103.867,
299.355

 1, 103.867,
299.355

 91, 103.867,
299.355

 0, 103.867,
299.355

 41, 103.867,

 41, 103.867,

299.355

■ 39, 109.357,
300.818

299.355

■ 46, 92.241,
296.131

■ 51, 80.314,
292.825

■ 57, 68.553,
289.669

■ 63, 57.131,
286.800

■ 69, 46.073,
284.276

■ 76, 35.350,
282.095

■ 82, 24.925,
280.228

■ 89, 14.770,
278.637

Harmonies

Complementary

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



41, 103.867, 299.355



80, 81.328, 83.218

Rectangle

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



41, 103.867, 299.355



41, 103.867, 349.355



41, 103.867, 119.355



41, 103.867, 169.355

Sweetspot

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



41, 103.868, 299.356



82, 28.501, 280.765



88, 65.676, 165.246



41, 19.785, 281.573



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, 103.868, 299.356



40, 111.157, 300.850



35, 126.954, 307.465



49, 5.567, 277.869



29, 87.099, 300.295



6, 33.866, 294.909

Inverse Universe

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



53, 86.443, 23.114



54, 90.397, 25.978



92, 97.689, 116.276



49, 5.465, 359.743



40, 71.512, 24.837



9, 30.723, 14.630

Previews

White Background



This preview shows how the CIE LCh color 41, 103.867, 299.355 looks on a white background.

Color Contrast Check

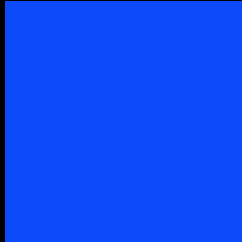
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 103.867, 299.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

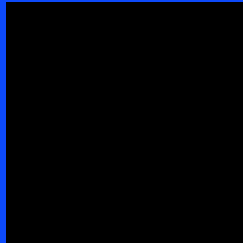
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 103.867, 299.355

Background



This preview shows how black text looks on a background with the CIELCh color 41, 103.867, 299.355.




This preview shows how white text looks on a background with the CIELCh color 41, 103.867,

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
40, 25.526, 204.902

Trichromacy



Original Color
41, 103.867, 299.355

Protanomaly
40, 77.723, 293.137

Deuteranomaly
40, 65.006, 288.388

Tritanomaly
39, 43.244, 274.772

Monochromacy



Original Color
41, 103.867, 299.355

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 40.293, 288.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 103.867, 299.355 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(13, 74, 250)` looks like.

```
.text, #text, p{  
    color:rgb(13, 74, 250)  
}
```

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(13, 74, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 74, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 103.867, 299.355 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(13, 74, 250) }
```

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

```
.border{ border-color:rgb(13, 74, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 74, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 74, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 74, 250);  
box-shadow:4px 4px 4px 4px rgb(13, 74,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 103.867, 299.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 74, 250) }
```

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

```
.background{ background-color: rgb(13, 74,  
250) }
```

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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