

Converting Colors

CIELCh(41, 100.589, 298.353)

Have a look what the booklet for
CIELCh(41, 100.589, 298.353)
contains.

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Color

CIELCh(41, 100.677, 298.521)

Conversions

Conversions Part 1

Format	Color
Hex	014CF6
RGB	1, 76, 246
RGB Percent	0%, 30%, 96%
CMY	0.9949, 0.7014, 0.0345
CMYK	0.99, 0.69, 0.00, 0.03
HSL	222°, 99%, 49%
HSV	222°, 99%, 97%
XYZ	19.2757, 11.8645, 88.6231
YIQ	72.9550, -99.2700, 36.9700

Conversions

Conversions Part 2

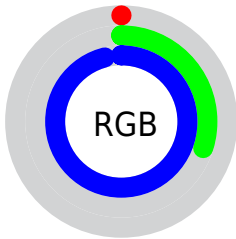
Format	Color
R _Y B	1, 58, 246
Decimal	85238
CIE Lab	41.00, 48.07, -88.46
CIE LCh	41, 100.677, 298.521
Yxy	11.8645, 0.1609, 0.0991
Android (android.graphics.Color)	4278275318 (0xFF014CF6)
YUV	72.9550, 85.3112, -63.1045
Hunter-Lab	34.4449, 39.6118, -128.4353

Details

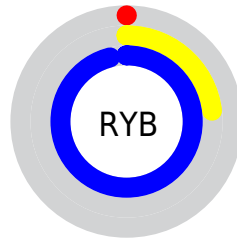
The CIELCh color **41, 100.677, 298.521** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **75, 80.411, 77.859**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 73.578, 295.851**, and **26, 95.538, 303.222** is the 20% darker color. If you saturate the color by 10%, you get **41, 101.233, 298.685**, and if you desaturate by 10%, it is **45, 89.880, 295.130**.

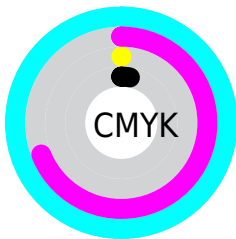
Distribution



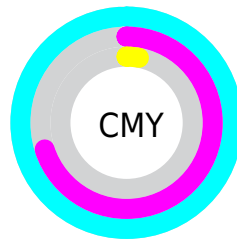
- Red (0%)
- Green (30%)
- Blue (96%)



- Red (0%)
- Yellow (23%)
- Blue (96%)



- Cyan (99%)
- Magenta (69%)
- Yellow (0%)
- Black (3%)





- Cyan (99%)
- Magenta (70%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 100.677, 298.521 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, 100.677, 298.521 by changing the saturation by 10% instead.


 41, 100.677,
298.521


 41, 100.677,
298.521


 100, 100.677,
298.521


 31, 100.677,
298.521


 61, 100.677,
298.521


 21, 100.677,
298.521


 71, 100.677,
298.521


 11, 100.677,
298.521


 81, 100.677,
298.521

 1, 100.677,
298.521

 91, 100.677,
298.521

 0, 100.677,
298.521

 41, 100.677,

 41, 100.677,

298.521

■ 41, 101.233,
298.685

298.521

■ 45, 89.880,
295.130

■ 50, 78.882,
291.587

■ 56, 68.046,
288.169

■ 61, 57.507,
285.034

■ 67, 47.273,
282.258

■ 73, 37.307,
279.850

■ 79, 27.573,
277.786

■ 85, 18.042,
276.025

Harmonies

Complementary

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



41, 100.677, 298.521



75, 80.411, 77.859

Rectangle

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



41, 100.677, 298.521



41, 100.677, 348.521



41, 100.677, 118.521



41, 100.677, 168.521

Sweetspot

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



41, 100.678, 298.522



81, 28.892, 277.897



86, 70.556, 160.241



41, 19.796, 278.737



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, 100.678, 298.522



42, 104.161, 298.748



32, 128.549, 307.005



48, 5.194, 274.533



31, 80.622, 298.089



7, 30.581, 292.141

Inverse Universe

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



52, 85.439, 21.434



54, 88.034, 21.838



91, 96.429, 113.928



48, 5.495, 356.418



39, 69.046, 20.631



9, 29.666, 10.853

Previews

White Background



This preview shows how the CIE LCh color 41, 100.677, 298.521 looks on a white background.

Color Contrast Check

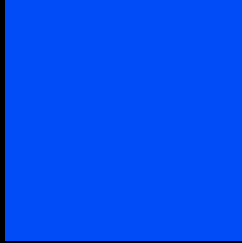
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.677, 298.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

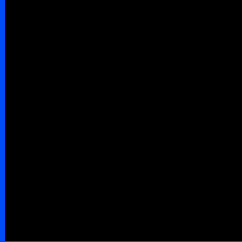
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 100.677, 298.521

Background



This preview shows how black text looks on a background with the CIELCh color 41, 100.677, 298.521.



This preview shows how white text looks on a background with the CIELCh color 41, 100.677,

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, 100.671, 298.536

Protanopia

41, 62.022, 286.431

Deuteranopia

41, 42.763, 272.405



Tritanopia
41, 25.791, 203.391

Trichromacy



Original Color
41, 100.671, 298.536

Protanomaly
41, 76.457, 292.363

Deuteranomaly
40, 63.282, 287.345

Tritanomaly
39, 41.738, 272.287

Monochromacy



Original Color
41, 100.671, 298.536

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 39.314, 286.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 100.677, 298.521 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(1, 76, 246)` looks like.

```
.text, #text, p{  
    color:rgb(1, 76, 246)  
}
```

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(1, 76, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 76, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 100.677, 298.521 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(1, 76, 246) }
```

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

```
.border{ border-color:rgb(1, 76, 246) }
```

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

Here you see how a box with a 4 pixel rgb(1, 76, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 76, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 76, 246);  
box-shadow:4px 4px 4px 4px rgb(1, 76, 246)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 100.677, 298.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 76, 246) }
```

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

```
.background{ background-color: rgb(1, 76,  
246) }
```

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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