

Converting Colors

CIELCh(40, 101.108, 298.787)

Have a look what the booklet for
CIELCh(40, 101.108, 298.787)
contains.

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Color

CIELCh(40, 101.457, 298.983)

Conversions

Conversions Part 1

Format	Color
Hex	0049F4
RGB	0, 73, 244
RGB Percent	0%, 29%, 96%
CMY	1.0000, 0.7144, 0.0440
CMYK	1.00, 0.70, 0.00, 0.04
HSL	222°, 100%, 48%
HSV	222°, 100%, 96%
XYZ	18.6487, 11.2510, 86.5994
YIQ	70.6670, -98.3990, 37.7050

Conversions

Conversions Part 2

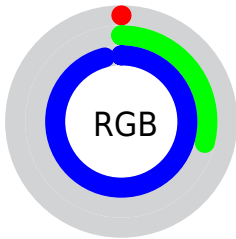
Format	Color
R _{YB}	0, 56, 244
Decimal	18932
CIE _{Lab}	40.00, 49.16, -88.75
CIE _{LCh}	40, 101.457, 298.983
Yxy	11.2510, 0.1601, 0.0966
Android (android.graphics.Color)	4278209012 (0xFF0049F4)
YUV	70.6670, 85.4532, -61.9750
Hunter-Lab	33.5425, 40.5416, -129.5941

Details

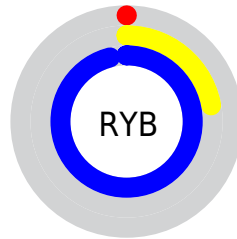
The CIELCh color **40, 101.457, 298.983** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **75, 80.013, 78.415**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 75.431, 296.518**, and **25, 96.005, 303.600** is the 20% darker color. If you saturate the color by 10%, you get **40, 101.449, 299.004**, and if you desaturate by 10%, it is **44, 90.691, 295.682**.

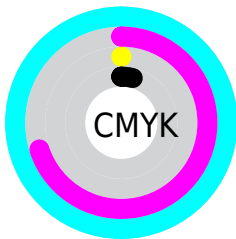
Distribution



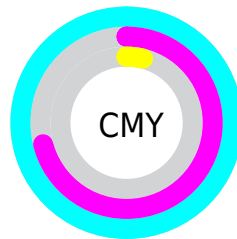
- Red (0%)
- Green (29%)
- Blue (96%)



- Red (0%)
- Yellow (22%)
- Blue (96%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (71%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 101.457, 298.983 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 40, 101.457, 298.983 by changing the saturation by 10% instead.


 40, 101.457,
298.983


 40, 101.457,
298.983


 100, 101.457,
298.983


 30, 101.457,
298.983


 60, 101.457,
298.983


 20, 101.457,
298.983

 70, 101.457,
298.983

 10, 101.457,
298.983

 80, 101.457,
298.983

 0, 101.457,
298.983

 90, 101.457,
298.983

 40, 101.457,

 40, 101.457,

298.983

298.983

■ 40, 101.449,
299.004

■ 44, 90.691,
295.682

■ 49, 79.665,
292.176

■ 54, 68.768,
288.776

■ 60, 58.165,
285.646

■ 66, 47.873,
282.867

■ 72, 37.863,
280.454

■ 78, 28.094,
278.384

■ 84, 18.540,
276.618

Harmonies

Complementary

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



40, 101.457, 298.983



75, 80.013, 78.415

Rectangle

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



40, 101.457, 298.983



40, 101.457, 348.983



40, 101.457, 118.983



40, 101.457, 168.983

Sweetspot

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



40, 101.449, 299.004



81, 29.141, 278.398



86, 68.720, 161.444



41, 19.970, 279.234



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



40, 101.449, 299.004



42, 105.223, 299.084



32, 127.600, 307.145



48, 5.234, 275.048



30, 81.456, 298.435



7, 30.860, 292.469

Inverse Universe

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



51, 85.316, 22.317



54, 88.352, 22.469



90, 96.200, 114.896



48, 5.475, 356.899



39, 69.274, 21.260



9, 29.681, 11.297

Previews

White Background



This preview shows how the CIE LCh color 40, 101.457, 298.983 looks on a white background.

Color Contrast Check

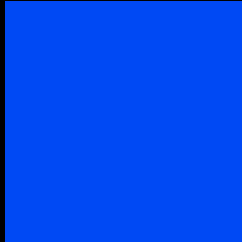
Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 101.457, 298.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

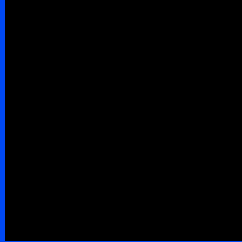
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 101.457, 298.983

Background



This preview shows how black text looks on a background with the CIELCh color 40, 101.457, 298.983.



This preview shows how white text looks on a background with the CIELCh color 40, 101.457, 298.983.

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

40, 101.457, 298.983

Protanopia

40, 61.110, 286.639

Deuteranopia

40, 42.255, 272.815



Tritanopia
40, 25.177, 205.050

Trichromacy



Original Color
40, 101.457, 298.983

Protanomaly
40, 76.179, 292.774

Deuteranomaly
39, 63.504, 288.016

Tritanomaly
38, 42.273, 273.760

Monochromacy



Original Color
40, 101.457, 298.983

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 39.463, 286.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 101.457, 298.983 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(0, 73, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 73, 244)  
}
```

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(0, 73, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 73, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 101.457, 298.983 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(0, 73, 244) }
```

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

```
.border{ border-color:rgb(0, 73, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 73, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 73, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 73, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 73, 244)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 101.457, 298.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 73, 244) }
```

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

```
.background{ background-color: rgb(0, 73,  
244) }
```

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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