

Converting Colors

CIELCh(40, 108.712, 300.243)

Have a look what the booklet for
CIELCh(40, 108.712, 300.243)
contains.

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Color

CIELCh(40, 108.419, 300.249)

Conversions

Conversions Part 1

Format	Color
Hex	0045FD
RGB	0, 69, 253
RGB Percent	0%, 27%, 99%
CMY	1.0000, 0.7309, 0.0097
CMYK	1.00, 0.73, 0.00, 0.01
HSL	224°, 100%, 50%
HSV	224°, 100%, 99%
XYZ	19.7191, 11.2510, 93.6618
YIQ	69.3450, -100.1880, 42.5960

Conversions

Conversions Part 2

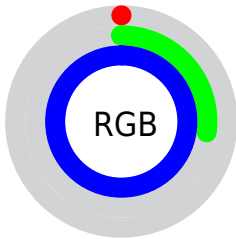
Format	Color
R _{YB}	0, 54, 253
Decimal	17917
CIE _{Lab}	40.00, 54.62, -93.66
CIE _{LCh}	40, 108.419, 300.249
Yxy	11.2510, 0.1582, 0.0903
Android (android.graphics.Color)	4278207997 (0xFF0045FD)
YUV	69.3450, 90.5419, -60.8156
Hunter-Lab	33.5425, 46.2382, -142.0777

Details

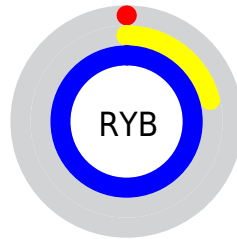
The CIELCh color **40, 108.419, 300.249** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **79, 82.604, 80.931**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 77.850, 298.052**, and **26, 102.457, 304.464** is the 20% darker color. If you saturate the color by 10%, you get **40, 108.398, 300.288**, and if you desaturate by 10%, it is **44, 97.152, 297.150**.

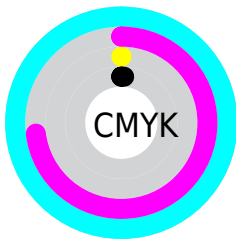
Distribution



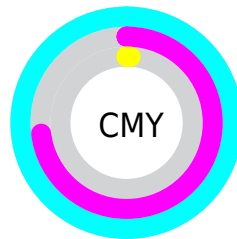
- Red (0%)
- Green (27%)
- Blue (99%)



- Red (0%)
- Yellow (21%)
- Blue (99%)



- Cyan (100%)
- Magenta (73%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (73%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 108.419, 300.249 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, 108.419, 300.249 by changing the saturation by 10% instead.


 40, 108.419,
300.249


 40, 108.419,
300.249


 100, 108.419,
300.249


 30, 108.419,
300.249


 60, 108.419,
300.249


 20, 108.419,
300.249

 70, 108.419,
300.249

 10, 108.419,
300.249

 80, 108.419,
300.249

 0, 108.419,
300.249

 90, 108.419,
300.249

 40, 108.419,

 40, 108.419,

300.249

300.249

■ 40, 108.398,
300.288

■ 44, 97.152,
297.150

■ 49, 85.380,
293.779

■ 55, 73.642,
290.472

■ 61, 62.196,
287.408

■ 67, 51.104,
284.678

■ 73, 40.347,
282.303

■ 80, 29.887,
280.263

■ 86, 19.692,
278.523

Harmonies

Complementary

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



40, 108.419, 300.249



79, 82.604, 80.931

Rectangle

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



40, 108.419, 300.249



40, 108.419, 350.249



40, 108.419, 120.249



40, 108.419, 170.249

Sweetspot

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



40, 108.398, 300.288



81, 30.125, 280.266



89, 69.132, 162.758



40, 20.659, 281.088



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, 108.398, 300.288



40, 109.258, 300.304



34, 130.805, 307.271



50, 5.578, 276.978



30, 86.519, 299.758



7, 34.692, 294.959

Inverse Universe

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



53, 89.009, 24.825



54, 89.690, 24.857



93, 99.227, 115.836



50, 5.590, 358.804



40, 71.727, 23.769



10, 31.588, 14.644

Previews

White Background



This preview shows how the CIELCh color 40, 108.419, 300.249 looks on a white background.

Color Contrast Check

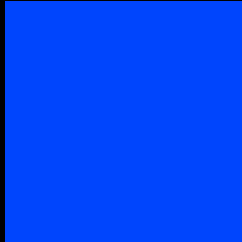
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.419, 300.249 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, 108.419, 300.249

Background



This preview shows how black text looks on a background with the CIELCh color 40, 108.419, 300.249.



This preview shows how white text looks on a background with the CIELCh color 40, 108.419,

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, 108.419, 300.249

Protanopia

40, 61.110, 286.639

Deuteranopia

40, 42.255, 272.815

Trichromacy



Original Color
40, 108.419, 300.249

Protanomaly
39, 79.141, 293.828

Deuteranomaly
39, 66.479, 289.496

Monochromacy



Original Color
40, 108.419, 300.249

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 42.661, 288.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 108.419, 300.249 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, 69, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 69, 253)  
}
```

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, 69, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 69, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 108.419, 300.249 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, 69, 253) }
```

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

```
.border{ border-color:rgb(0, 69, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 69, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 69, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 69, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 69, 253)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 108.419, 300.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 69, 253) }
```

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

```
.background{ background-color: rgb(0, 69,  
253) }
```

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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