

Converting Colors

CIELCh(40, 104.701, 299.676)

Have a look what the booklet for
CIELCh(40, 104.701, 299.676)
contains.

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Color

CIELCh(40, 104.691, 299.654)

Conversions

Conversions Part 1

Format	Color
Hex	0147F8
RGB	1, 71, 248
RGB Percent	0%, 28%, 97%
CMY	0.9945, 0.7224, 0.0284
CMYK	0.99, 0.71, 0.00, 0.03
HSL	223°, 99%, 49%
HSV	223°, 99%, 97%
XYZ	19.1609, 11.2510, 89.7617
YIQ	70.2480, -98.5370, 40.2070

Conversions

Conversions Part 2

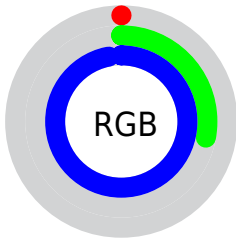
Format	Color
R _Y B	1, 56, 248
Decimal	83960
CIE Lab	40.00, 51.80, -90.98
CIE LCh	40, 104.691, 299.654
Yxy	11.2510, 0.1594, 0.0936
Android (android.graphics.Color)	4278274040 (0xFF0147F8)
YUV	70.2480, 87.6317, -60.7305
Hunter-Lab	33.5425, 43.2674, -135.1839

Details

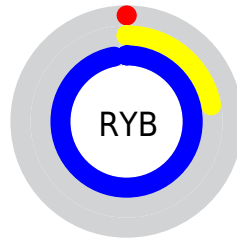
The CIELCh color `40, 104.691, 299.654` is a dark color, and the websafe version is hex `0033CC`. The color can be described as dark saturated blue. A complement of this color would be `77, 81.124, 80.138`, and the grayscale version is `29, 0.005, 296.813`.

A 20% lighter version of the original color is `56, 76.633, 297.377`, and `25, 99.280, 304.115` is the 20% darker color. If you saturate the color by 10%, you get `40, 105.296, 299.820`, and if you desaturate by 10%, it is `44, 93.627, 296.422`.

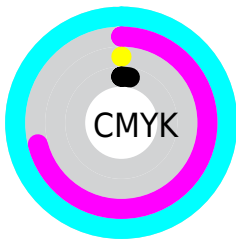
Distribution



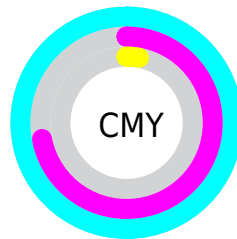
- Red (0%)
- Green (28%)
- Blue (97%)



- Red (0%)
- Yellow (22%)
- Blue (97%)



- Cyan (99%)
- Magenta (71%)
- Yellow (0%)
- Black (3%)





- Cyan (99%)
- Magenta (72%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 104.691, 299.654 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, 104.691, 299.654 by changing the saturation by 10% instead.


 40, 104.691,
299.654


 40, 104.691,
299.654


 100, 104.691,
299.654


 30, 104.691,
299.654


 60, 104.691,
299.654


 20, 104.691,
299.654

 70, 104.691,
299.654


 10, 104.691,
299.654

 80, 104.691,
299.654

 0, 104.691,
299.654

 90, 104.691,
299.654

 40, 104.691,

 40, 104.691,

299.654

299.654

■ 40, 105.296,
299.820

■ 44, 93.627,
296.422

■ 49, 82.177,
293.000

■ 55, 70.821,
289.670

■ 61, 59.764,
286.601

■ 67, 49.045,
283.875

■ 73, 38.637,
281.507

■ 79, 28.502,
279.475

■ 85, 18.610,
277.741

Harmonies

Complementary

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



40, 104.691, 299.654



77, 81.124, 80.138

Rectangle

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



40, 104.691, 299.654



40, 104.691, 349.654



40, 104.691, 119.654



40, 104.691, 169.654

Sweetspot

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



40, 104.692, 299.655



81, 29.758, 279.590



87, 67.942, 162.901



40, 20.402, 280.417



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, 104.692, 299.655



41, 107.787, 299.869



33, 128.629, 307.275



49, 5.425, 276.278



30, 84.405, 299.278



7, 32.916, 293.940

Inverse Universe

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



52, 86.922, 23.583



54, 89.177, 23.987



91, 97.666, 115.777



49, 5.523, 358.095



40, 70.608, 22.839



9, 30.633, 13.220

Previews

White Background



This preview shows how the CIE LCh color 40, 104.691, 299.654 looks on a white background.

Color Contrast Check

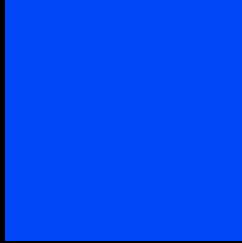
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.691, 299.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

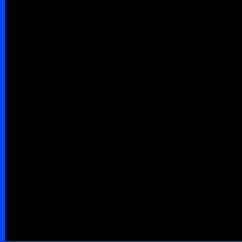
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 104.691, 299.654

Background



This preview shows how black text looks on a background with the CIELCh color 40, 104.691, 299.654.



This preview shows how white text looks on a background with the CIELCh color 40, 104.691, 299.654.

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, 104.704, 299.628

Protanopia

40, 61.110, 286.639

Deuteranopia

40, 42.255, 272.815



Tritanopia
40, 25.266, 203.574

Trichromacy



Original Color
40, 104.704, 299.628

Protanomaly
39, 77.378, 293.267

Deuteranomaly
39, 64.702, 288.703

Tritanomaly
38, 42.797, 274.648

Monochromacy



Original Color
40, 104.704, 299.628

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 41.370, 288.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 104.691, 299.654 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, 71, 248)` looks like.

```
.text, #text, p{  
    color:rgb(1, 71, 248)  
}
```

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, 71, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 71, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 104.691, 299.654 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, 71, 248) }
```

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

```
.border{ border-color:rgb(1, 71, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 71, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 71, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 71, 248);  
box-shadow:4px 4px 4px 4px rgb(1, 71, 248)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 104.691, 299.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 71, 248) }
```

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

```
.background{ background-color: rgb(1, 71,  
248) }
```

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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