

Converting Colors

CIELCh(40, 116.824, 305.292)

Have a look what the booklet for
CIELCh(40, 116.824, 305.292)
contains.

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Color

CIELCh(40, 116.306, 305.272)

Conversions

Conversions Part 1

Format	Color
Hex	4D34FF
RGB	77, 52, 255
RGB Percent	30%, 20%, 100%
CMY	0.6981, 0.7961, 0.0000
CMYK	0.70, 0.80, 0.00, 0.00
HSL	247°, 100%, 60%
HSV	247°, 80%, 100%
XYZ	22.3341, 11.2510, 95.5914
YIQ	82.6170, -50.2630, 68.4330

Conversions

Conversions Part 2

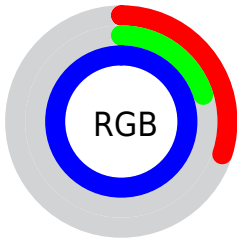
Format	Color
R _Y B	77, 52, 255
Decimal	5059839
CIE Lab	40.00, 67.16, -94.95
CIE LCh	40, 116.306, 305.272
Yxy	11.2510, 0.1729, 0.0871
Android (android.graphics.Color)	4283249919 (0xFF4D34FF)
YUV	82.6170, 84.9848, -4.9261
Hunter-Lab	33.5425, 60.1540, -145.4886

Details

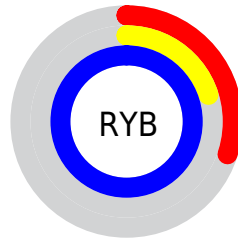
The CIELCh color `40, 116.306, 305.272` is a dark color, and the websafe version is hex `3333FF`. The color can be described as dark washed blue. A complement of this color would be `95, 90.415, 109.924`, and the grayscale version is `35, 0.005, 296.813`.

A 20% lighter version of the original color is `56, 86.032, 306.464`, and `24, 110.190, 306.287` is the 20% darker color. If you saturate the color by 10%, you get `36, 126.949, 306.253`, and if you desaturate by 10%, it is `46, 102.350, 303.847`.

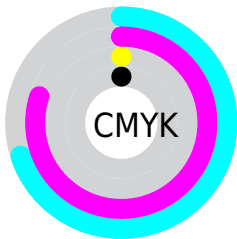
Distribution



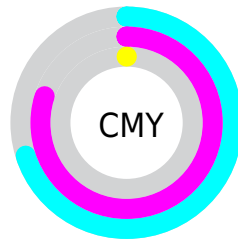
- Red (30%)
- Green (20%)
- Blue (100%)



- Red (30%)
- Yellow (20%)
- Blue (100%)



- Cyan (70%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 116.306, 305.272 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, 116.306, 305.272 by changing the saturation by 10% instead.


 40, 116.306,
305.272


 40, 116.306,
305.272


 100, 116.306,
305.272


 30, 116.306,
305.272


 60, 116.306,
305.272


 20, 116.306,
305.272


 70, 116.306,
305.272


 10, 116.306,
305.272

 80, 116.306,
305.272

 0, 116.306,
305.272

 90, 116.306,
305.272

 40, 116.306,

 40, 116.306,

305.272

305.272

■ 36, 126.949,
306.253

■ 46, 102.350,
303.847

■ 33, 132.859,
306.630

■ 53, 86.931,
302.247

■ 33, 133.042,
306.643

■ 61, 71.222,
300.666

■ 68, 55.794,
299.207

■ 76, 40.873,
297.912

■ 84, 26.524,
296.785

■ 92, 12.745,
295.815

■ 100, 0.005,
304.432

Harmonies

Complementary

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



40, 116.306, 305.272



95, 90.415, 109.924

Rectangle

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



40, 116.306, 305.272



40, 116.306, 355.272



40, 116.306, 125.272



40, 116.306, 175.272

Sweetspot

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



40, 116.307, 305.273



81, 32.749, 297.259



85, 42.546, 214.163



40, 22.663, 297.667



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, 116.307, 305.273



34, 131.149, 306.532



51, 110.182, 315.726



49, 7.537, 295.806



24, 107.033, 306.719



4, 44.407, 304.143

Inverse Universe

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



61, 99.503, 332.739



59, 104.457, 333.711



90, 102.344, 130.147



50, 8.321, 328.523



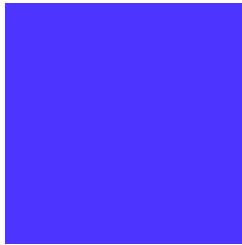
44, 84.500, 333.847



12, 39.326, 333.090

Previews

White Background



This preview shows how the CIELCh color 40, 116.306, 305.272 looks on a white background.

Color Contrast Check

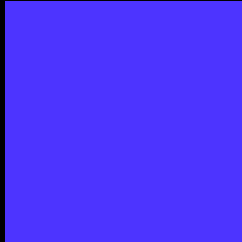
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 40, 116.306, 305.272 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, 116.306, 305.272

Background



This preview shows how black text looks on a background with the CIELCh color 40, 116.306, 305.272.



This preview shows how white text looks on a background with the CIELCh color 40, 116.306, 305.272.

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, 116.306, 305.272

Protanopia

40, 60.548, 286.396

Deuteranopia

39, 41.738, 272.287



Tritanopia
40, 25.177, 205.050

Trichromacy



Original Color
40, 116.306, 305.272

Protanomaly
38, 82.803, 296.444

Deuteranomaly
38, 70.162, 293.008

Tritanomaly
37, 48.653, 283.585

Monochromacy



Original Color
40, 116.306, 305.272

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 46.154, 300.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 116.306, 305.272 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(77, 52, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 52, 255)  
}
```

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(77, 52, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 52, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 116.306, 305.272 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(77, 52, 255) }
```

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

```
.border{ border-color:rgb(77, 52, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 52, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 52, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 52, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 52,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 116.306, 305.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 52, 255) }
```

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

```
.background{ background-color: rgb(77, 52,  
255) }
```

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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