

Converting Colors

CIELCh(40, 116.991, 305.098)

Have a look what the booklet for
CIELCh(40, 116.991, 305.098)
contains.

| | |
|--|----|
| CIELCh(40, 116.460, 305.088) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 21 |
| <i>Color Blindness Simulation</i> | 25 |
| <i>CSS Examples</i> | 28 |

Color

CIELCh(40, 116.460, 305.088)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 4B35FF |
| RGB | 75, 53, 255 |
| RGB Percent | 29%, 21%, 100% |
| CMY | 0.7064, 0.7940, 0.0000 |
| CMYK | 0.71, 0.79, 0.00, 0.00 |
| HSL | 247°, 100%, 60% |
| HSV | 247°, 79%, 100% |
| XYZ | 22.2870, 11.2510, 96.1033 |
| YIQ | 82.6060, -51.7300, 67.4860 |

Conversions

Conversions Part 2

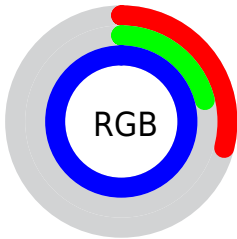
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 75, 53, 255 |
| Decimal | 4929023 |
| CIE _{Lab} | 40.00, 66.95, -95.30 |
| CIE _{LCh} | 40, 116.460, 305.088 |
| Yxy | 11.2510, 0.1719, 0.0868 |
| Android (android.graphics.Color) | 4283119103 (0xFF4B35FF) |
| YUV | 82.6060, 84.9902, -6.6705 |
| Hunter-Lab | 33.5425, 59.9036, -146.3934 |

Details

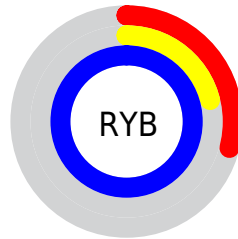
The CIELCh color **40, 116.460, 305.088** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **96, 90.155, 109.261**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 85.454, 305.956**, and **24, 110.190, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 126.938, 306.133**, and if you desaturate by 10%, it is **46, 102.123, 303.591**.

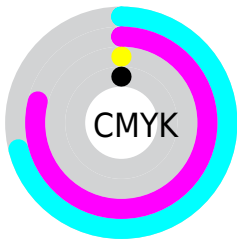
Distribution



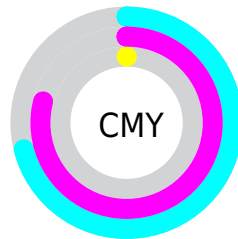
- Red (29%)
- Green (21%)
- Blue (100%)



- Red (29%)
- Yellow (21%)
- Blue (100%)



- Cyan (71%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (79%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 116.460, 305.088 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, 116.460, 305.088 by changing the saturation by 10% instead.


 40, 116.460,
305.088


 40, 116.460,
305.088


 100, 116.460,
305.088


 30, 116.460,
305.088


 60, 116.460,
305.088


 20, 116.460,
305.088


 70, 116.460,
305.088


 10, 116.460,
305.088

 80, 116.460,
305.088

 0, 116.460,
305.088

 90, 116.460,
305.088

 40, 116.460,

 40, 116.460,

305.088

305.088

■ 35, 126.938,
306.133

■ 46, 102.123,
303.591

■ 33, 132.892,
306.562

■ 53, 86.638,
301.928

■ 33, 133.170,
306.585

■ 61, 70.899,
300.293

■ 68, 55.463,
298.792

■ 76, 40.549,
297.462

■ 84, 26.216,
296.308

■ 92, 12.456,
295.317

100, 0.012,
296.813

Harmonies

Complementary

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



40, 116.460, 305.088



96, 90.155, 109.261

Rectangle

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



40, 116.460, 305.088



40, 116.460, 355.088



40, 116.460, 125.088



40, 116.460, 175.088

Sweetspot

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



40, 116.181, 305.086



81, 32.730, 296.817



86, 43.037, 211.329



40, 22.650, 297.236



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, 116.181, 305.086



34, 130.788, 306.428



50, 110.171, 315.256



49, 7.531, 295.326



23, 107.142, 306.655



4, 44.381, 303.909

Inverse Universe

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



61, 100.282, 332.186



59, 105.397, 333.016



90, 101.687, 129.668



50, 8.396, 328.122



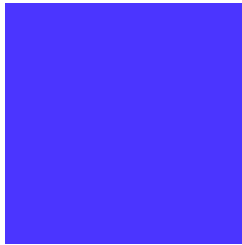
44, 85.347, 333.192



12, 39.674, 332.531

Previews

White Background



This preview shows how the CIELCh color 40, 116.460, 305.088 looks on a white background.

Color Contrast Check

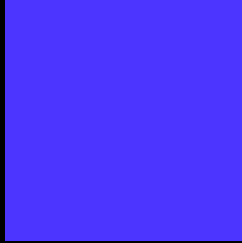
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.460, 305.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

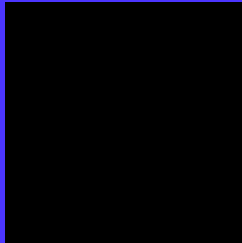
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 116.460, 305.088

Background



This preview shows how black text looks on a background with the CIELCh color 40, 116.460, 305.088.



This preview shows how white text looks on a background with the CIELCh color 40, 116.460, 305.088.

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, 115.954, 305.042

Protanopia

40, 60.548, 286.396

Deuteranopia

39, 41.738, 272.287



Tritanopia
39, 24.929, 206.625

Trichromacy



Original Color
40, 115.954, 305.042

Protanomaly
38, 82.816, 296.397

Deuteranomaly
38, 70.174, 292.943

Tritanomaly
37, 48.673, 283.464

Monochromacy



Original Color
40, 115.954, 305.042

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 46.236, 300.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 116.460, 305.088 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(75, 53, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 53, 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(75, 53, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 53, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 116.460, 305.088 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(75, 53, 255) }
```

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

```
.border{ border-color:rgb(75, 53, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 53, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 53, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 53, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 53,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 116.460, 305.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 53, 255) }
```

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

```
.background{ background-color: rgb(75, 53,  
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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