

Converting Colors

CIELCh(40, 115.319, 305.050)

Have a look what the booklet for
CIELCh(40, 115.319, 305.050)
contains.

CIELCh(40, 115.428, 305.098)	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, 115.428, 305.098)

Conversions

Conversions Part 1

Format	Color
Hex	4C35FE
RGB	76, 53, 254
RGB Percent	30%, 21%, 100%
CMY	0.7016, 0.7920, 0.0037
CMYK	0.70, 0.79, 0.00, 0.00
HSL	247°, 99%, 60%
HSV	247°, 79%, 100%
XYZ	22.1622, 11.2510, 94.8226
YIQ	82.7910, -50.8130, 67.3870

Conversions

Conversions Part 2

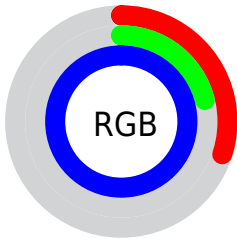
Format	Color
RYB	76, 53, 254
Decimal	4994558
CIELab	40.00, 66.37, -94.44
CIElCh	40, 115.428, 305.098
Yxy	11.2510, 0.1728, 0.0877
Android (android.graphics.Color)	4283184638 (0xFF4C35FE)
YUV	82.7910, 84.4060, -5.9557
Hunter-Lab	33.5425, 59.2393, -144.1296

Details

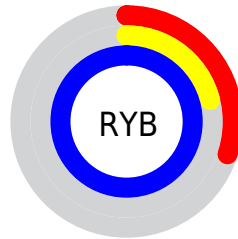
The CIELCh color **40, 115.428, 305.098** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **95, 89.752, 109.485**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 85.449, 306.129**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 126.276, 306.146**, and if you desaturate by 10%, it is **46, 101.363, 303.617**.

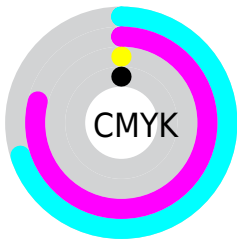
Distribution



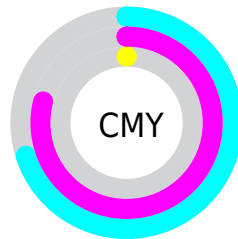
- Red (30%)
- Green (21%)
- Blue (100%)



- Red (30%)
- Yellow (21%)
- Blue (100%)



- Cyan (70%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (79%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 115.428, 305.098 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, 115.428, 305.098 by changing the saturation by 10% instead.


 40, 115.428,
305.098


 40, 115.428,
305.098


 100, 115.428,
305.098


 30, 115.428,
305.098


 60, 115.428,
305.098


 20, 115.428,
305.098


 70, 115.428,
305.098


 10, 115.428,
305.098

 80, 115.428,
305.098

 0, 115.428,
305.098

 90, 115.428,
305.098

 40, 115.428,

 40, 115.428,

305.098

305.098

■ 35, 126.276,
306.146

■ 46, 101.363,
303.617

■ 33, 132.343,
306.572

■ 53, 85.920,
301.973

■ 33, 132.758,
306.604

■ 61, 70.241,
300.360

■ 68, 54.870,
298.879

■ 76, 40.018,
297.567

■ 84, 25.743,
296.428

■ 92, 12.037,
295.450

■ 100, 0.463,
109.976

Harmonies

Complementary

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



40, 115.428, 305.098



95, 89.752, 109.485

Rectangle

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



40, 115.428, 305.098



40, 115.428, 355.098



40, 115.428, 125.098



40, 115.428, 175.098

Sweetspot

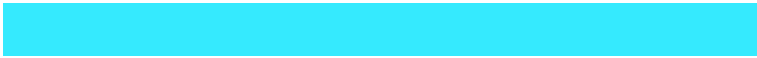
The Sweet Spot groups the original color and five complimentary colors.



40, 115.429, 305.099



81, 32.736, 296.964



85, 42.867, 211.292



40, 22.654, 297.379



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, 115.429, 305.099



34, 130.740, 306.454



50, 109.584, 315.261



49, 7.533, 295.486



23, 107.107, 306.676



4, 44.390, 303.987

Inverse Universe

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



61, 99.537, 332.348



59, 105.056, 333.224



90, 101.159, 129.659



50, 8.371, 328.255



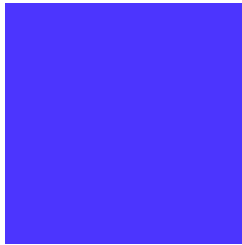
44, 85.064, 333.408



12, 39.558, 332.715

Previews

White Background



This preview shows how the CIELCh color 40, 115.428, 305.098 looks on a white background.

Color Contrast Check

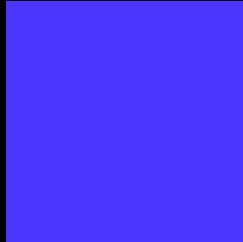
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.428, 305.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

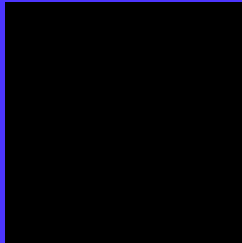
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 115.428, 305.098

Background



This preview shows how black text looks on a background with the CIELCh color 40, 115.428, 305.098.



This preview shows how white text looks on a background with the CIELCh color 40, 115.428, 305.098.

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, 115.428, 305.098

Protanopia

40, 60.548, 286.396

Deuteranopia

39, 41.738, 272.287



Tritanopia
40, 25.177, 205.050

Trichromacy



Original Color
40, 115.428, 305.098

Protanomaly
38, 82.160, 296.170

Deuteranomaly
38, 70.162, 293.008

Tritanomaly
37, 48.083, 283.258

Monochromacy



Original Color
40, 115.428, 305.098

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 45.555, 300.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 115.428, 305.098 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(76, 53, 254)` looks like.

```
.text, #text, p{  
    color:rgb(76, 53, 254)  
}
```

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(76, 53, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 53, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 115.428, 305.098 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(76, 53, 254) }
```

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

```
.border{ border-color:rgb(76, 53, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 53, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 53, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 53, 254);  
box-shadow:4px 4px 4px 4px rgb(76, 53,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 115.428, 305.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 53, 254) }
```

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

```
.background{ background-color: rgb(76, 53,  
254) }
```

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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