

Converting Colors

CIELCh(40, 117.517, 306.004)

Have a look what the booklet for
CIELCh(40, 117.517, 306.004)
contains.

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Color

CIELCh(40, 117.289, 305.961)

Conversions

Conversions Part 1

Format	Color
Hex	5331FF
RGB	83, 49, 255
RGB Percent	33%, 19%, 100%
CMY	0.6746, 0.8079, 0.0001
CMYK	0.67, 0.81, 0.00, 0.00
HSL	250°, 100%, 60%
HSV	250°, 81%, 100%
XYZ	22.7084, 11.2510, 95.5632
YIQ	82.6500, -45.8620, 71.2740

Conversions

Conversions Part 2

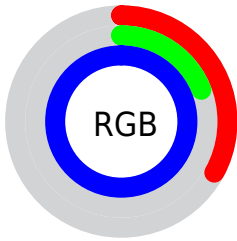
Format	Color
R_{YB}	83, 49, 255
Decimal	5452287
CIE _{Lab}	40.00, 68.88, -94.94
CIE _{LCh}	40, 117.289, 305.961
Yxy	11.2510, 0.1753, 0.0869
Android (android.graphics.Color)	4283642367 (0xFF5331FF)
YUV	82.6500, 84.9685, 0.3069
Hunter-Lab	33.5425, 62.1460, -145.4388

Details

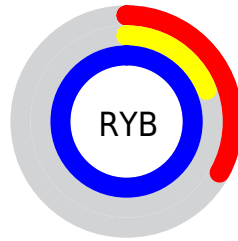
The CIELCh color **40, 117.289, 305.961** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **95, 91.683, 112.084**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 87.178, 307.465**, and **24, 110.190, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 127.318, 306.695**, and if you desaturate by 10%, it is **46, 103.808, 304.772**.

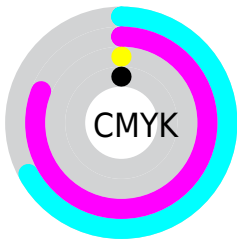
Distribution



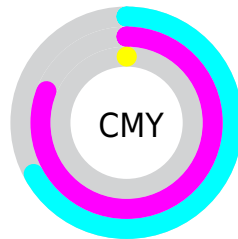
- Red (33%)
- Green (19%)
- Blue (100%)



- Red (33%)
- Yellow (19%)
- Blue (100%)



- Cyan (67%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (81%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 117.289, 305.961 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, 117.289, 305.961 by changing the saturation by 10% instead.


 40, 117.289,
305.961


 40, 117.289,
305.961


 100, 117.289,
305.961


 30, 117.289,
305.961


 60, 117.289,
305.961


 20, 117.289,
305.961


 70, 117.289,
305.961


 10, 117.289,
305.961

 80, 117.289,
305.961

 0, 117.289,
305.961

 90, 117.289,
305.961

 40, 117.289,

 40, 117.289,

305.961

305.961

■ 36, 127.318,
306.695

■ 46, 103.808,
304.772

■ 33, 132.550,
306.879

■ 53, 88.666,
303.376

■ 60, 73.074,
301.961

■ 68, 57.656,
300.634

■ 76, 42.686,
299.440

■ 84, 28.257,
298.392

■ 91, 14.384,
297.483

■ 99, 1.047, 296.703

Harmonies

Complementary

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



40, 117.289, 305.961



95, 91.683, 112.084

Rectangle

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



40, 117.289, 305.961



40, 117.289, 355.961



40, 117.289, 125.961



40, 117.289, 175.961

Sweetspot

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



40, 117.290, 305.962



81, 32.826, 298.712



82, 41.977, 220.259



40, 22.712, 299.086



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, 117.290, 305.962



34, 131.095, 306.831



51, 110.859, 316.667



49, 7.559, 297.376



24, 106.611, 306.975



4, 44.489, 304.891

Inverse Universe

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



60, 97.240, 334.700



58, 101.214, 336.025



90, 104.259, 131.075



50, 8.080, 329.892



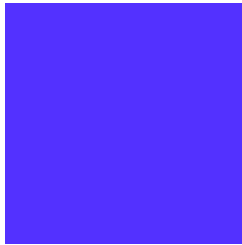
44, 81.807, 336.127



12, 38.214, 335.022

Previews

White Background



This preview shows how the CIELCh color 40, 117.289, 305.961 looks on a white background.

Color Contrast Check

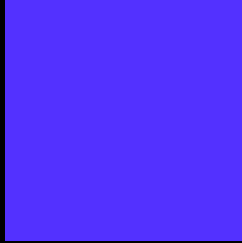
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.289, 305.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

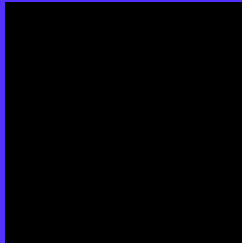
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 117.289, 305.961

Background



This preview shows how black text looks on a background with the CIELCh color 40, 117.289, 305.961.



This preview shows how white text looks on a background with the CIELCh color 40, 117.289, 305.961.

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, 117.289, 305.961

Protanopia

40, 60.548, 286.396

Deuteranopia

39, 41.738, 272.287



Tritanopia

40, 25.103, 206.536

Trichromacy



Original Color
40, 117.289, 305.961

Protanomaly
38, 83.419, 296.812

Deuteranomaly
37, 70.792, 293.497

Tritanomaly
36, 49.234, 284.458

Monochromacy



Original Color
40, 117.289, 305.961

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 46.843, 301.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 117.289, 305.961 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(83, 49, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 49, 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(83, 49, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 49, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 117.289, 305.961 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(83, 49, 255) }
```

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

```
.border{ border-color:rgb(83, 49, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 49, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 49, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 49, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 49,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 117.289, 305.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 49, 255) }
```

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

```
.background{ background-color: rgb(83, 49,  
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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