

Converting Colors

CIELCh(40, 126.010, 310.908)

Have a look what the booklet for
CIELCh(40, 126.010, 310.908)
contains.

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Color

CIELCh(40, 125.726, 310.905)

Conversions

Conversions Part 1

Format	Color
Hex	7703FF
RGB	119, 3, 255
RGB Percent	47%, 1%, 100%
CMY	0.5319, 0.9888, 0.0000
CMYK	0.53, 0.99, 0.00, 0.00
HSL	268°, 100%, 51%
HSV	268°, 99%, 100%
XYZ	25.7916, 11.2510, 95.6944
YIQ	66.4120, -11.7560, 102.9640

Conversions

Conversions Part 2

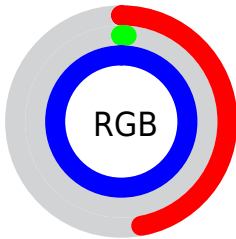
Format	Color
R_{YB}	119, 3, 255
Decimal	7799807
CIE _{Lab}	40.00, 82.33, -95.02
CIE _{LCh}	40, 125.726, 310.905
Yxy	11.2510, 0.1943, 0.0848
Android (android.graphics.Color)	4285989887 (0xFF7703FF)
YUV	66.4120, 92.9739, 46.1197
Hunter-Lab	33.5425, 78.5537, -145.6706

Details

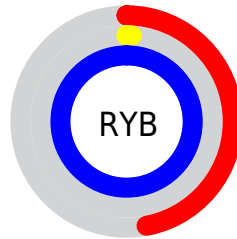
The CIELCh color **40, 125.726, 310.905** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **90, 107.702, 126.928**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 97.637, 314.945**, and **25, 108.606, 307.212** is the 20% darker color. If you saturate the color by 10%, you get **40, 126.085, 310.850**, and if you desaturate by 10%, it is **43, 120.230, 311.485**.

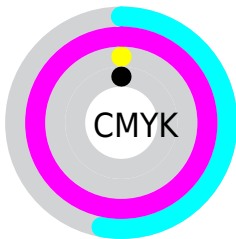
Distribution



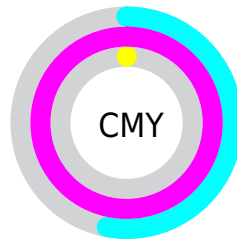
- Red (47%)
- Green (1%)
- Blue (100%)



- Red (47%)
- Yellow (1%)
- Blue (100%)



- Cyan (53%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (99%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 125.726, 310.905 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, 125.726, 310.905 by changing the saturation by 10% instead.


 40, 125.726,
310.905


 40, 125.726,
310.905


 100, 125.726,
310.905


 30, 125.726,
310.905


 60, 125.726,
310.905


 20, 125.726,
310.905


 70, 125.726,
310.905


 10, 125.726,
310.905

 80, 125.726,
310.905

 0, 125.726,
310.905

 90, 125.726,
310.905

 40, 125.726,

 40, 125.726,

310.905

■ 40, 126.085,
310.850

310.905

■ 43, 120.230,
311.485

■ 47, 111.254,
311.620

■ 52, 99.341,
311.404

■ 58, 85.600,
310.967

■ 65, 70.946,
310.413

■ 72, 55.994,
309.817

■ 79, 41.114,
309.225

■ 86, 26.511,
308.663

94, 12.289,
308.141

Harmonies

Complementary

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



40, 125.726, 310.905



90, 107.702, 126.928

Rectangle

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



40, 125.726, 310.905



40, 125.726, 0.905



40, 125.726, 130.905



40, 125.726, 180.905

Sweetspot

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



40, 125.588, 310.919



78, 42.764, 309.290



58, 65.740, 279.209



39, 29.325, 309.538



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, 125.588, 310.919



40, 126.085, 310.850



58, 115.678, 326.246



49, 7.872, 308.173



29, 101.353, 311.044



6, 44.921, 311.843

Inverse Universe

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



55, 85.173, 358.870



55, 85.245, 359.298



88, 119.309, 135.899



50, 6.548, 342.397



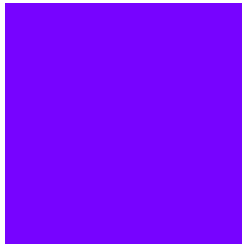
41, 68.804, 358.552



11, 32.277, 353.550

Previews

White Background



This preview shows how the CIE LCh color 40, 125.726, 310.905 looks on a white background.

Color Contrast Check

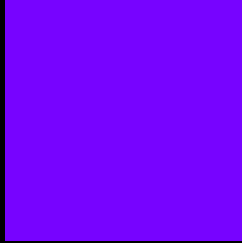
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125.726, 310.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

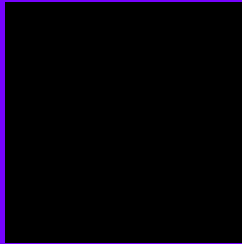
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 125.726, 310.905

Background



This preview shows how black text looks on a background with the CIELCh color 40, 125.726, 310.905.



This preview shows how white text looks on a background with the CIELCh color 40, 125.726, 310.905.

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, 125.609, 310.885

Protanopia

40, 61.532, 286.419

Tritanopia

40, 11.008, 224.780

Trichromacy



Original Color
40, 125.609, 310.885

Protanomaly
35, 94.070, 301.152

Tritanomaly
35, 60.218, 305.343

Monochromacy



Original Color
40, 125.609, 310.885

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 58.820, 311.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 125.726, 310.905 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(119, 3, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 3, 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(119, 3, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 3, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 125.726, 310.905 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(119, 3, 255) }
```

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

```
.border{ border-color:rgb(119, 3, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 3, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 3, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 3, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 3,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 125.726, 310.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 3, 255) }
```

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

```
.background{ background-color: rgb(119, 3,  
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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