

Converting Colors

CIELCh(40, 125.895, 310.997)

Have a look what the booklet for
CIELCh(40, 125.895, 310.997)
contains.

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Color

CIELCh(40, 125.738, 311.008)

Conversions

Conversions Part 1

Format	Color
Hex	7801FF
RGB	120, 1, 255
RGB Percent	47%, 0%, 100%
CMY	0.5290, 0.9953, 0.0000
CMYK	0.53, 1.00, 0.00, 0.00
HSL	268°, 100%, 50%
HSV	268°, 100%, 100%
XYZ	25.8343, 11.2510, 95.4861
YIQ	65.5370, -10.6100, 104.2220

Conversions

Conversions Part 2

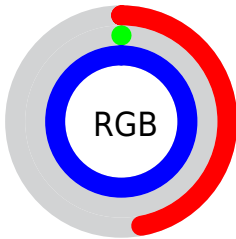
Format	Color
R_{YB}	120, 1, 255
Decimal	7864831
CIE _{Lab}	40.00, 82.50, -94.88
CIE _{LCh}	40, 125.738, 311.008
Yxy	11.2510, 0.1949, 0.0849
Android (android.graphics.Color)	4286054911 (0xFF7801FF)
YUV	65.5370, 93.4053, 47.7641
Hunter-Lab	33.5425, 78.7810, -145.3024

Details

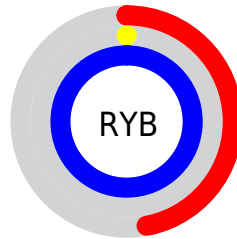
The CIELCh color **40, 125.738, 311.008** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **90, 108.146, 127.233**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 97.628, 315.113**, and **25, 108.469, 307.298** is the 20% darker color. If you saturate the color by 10%, you get **40, 125.913, 310.983**, and if you desaturate by 10%, it is **43, 120.551, 311.604**.

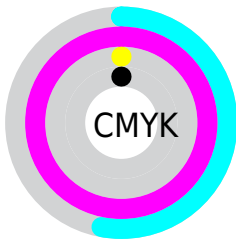
Distribution



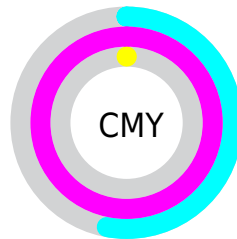
- Red (47%)
- Green (0%)
- Blue (100%)



- Red (47%)
- Yellow (0%)
- Blue (100%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 125.738, 311.008 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, 125.738, 311.008 by changing the saturation by 10% instead.


 40, 125.738,
311.008


 40, 125.738,
311.008


 100, 125.738,
311.008


 30, 125.738,
311.008


 60, 125.738,
311.008


 20, 125.738,
311.008


 70, 125.738,
311.008

 10, 125.738,
311.008

 80, 125.738,
311.008

 0, 125.738,
311.008


 90, 125.738,
311.008


 40, 125.738,


 40, 125.738,


311.008


311.008


 40, 125.913,
310.983


 43, 120.551,
311.604


 47, 111.853,
311.779


 52, 100.147,
311.595

 58, 86.532,
311.181

 65, 71.939,
310.644

 71, 57.002,
310.059

 79, 42.108,
309.473

 86, 27.474,
308.915

■ 93, 13.212,
308.395

Harmonies

Complementary

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



40, 125.738, 311.008



90, 108.146, 127.233

Rectangle

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



40, 125.738, 311.008



40, 125.738, 1.008



40, 125.738, 131.008



40, 125.738, 181.008

Sweetspot

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



40, 125.704, 311.012



78, 42.803, 309.501



57, 68.475, 281.386



39, 29.350, 309.746



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, 125.704, 311.012



40, 125.913, 310.983



59, 115.673, 326.898



49, 7.882, 308.394



29, 101.216, 311.177



6, 44.920, 312.015

Inverse Universe

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



55, 85.080, 359.718



55, 85.114, 359.901



88, 119.531, 135.937



50, 6.520, 342.726



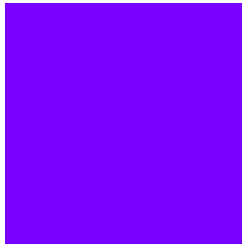
41, 68.689, 359.141



11, 32.201, 354.038

Previews

White Background



This preview shows how the CIELCh color 40, 125.738, 311.008 looks on a white background.

Color Contrast Check

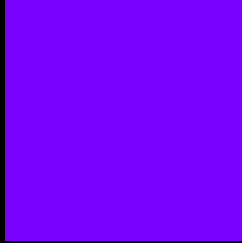
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125.738, 311.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

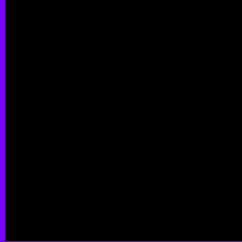
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 125.738, 311.008

Background



This preview shows how black text looks on a background with the CIELCh color 40, 125.738, 311.008.



This preview shows how white text looks on a background with the CIELCh color 40, 125.738, 311.008.

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, 125.738, 311.008

Protanopia

40, 61.532, 286.419

Deuteranopia

40, 42.765, 272.712



Tritanopia
40, 10.406, 226.496

Trichromacy



Original Color
40, 125.738, 311.008

Protanomaly
35, 94.630, 301.400

Deuteranomaly
34, 82.590, 299.555

Tritanomaly
35, 60.849, 306.129

Monochromacy



Original Color
40, 125.738, 311.008

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 59.396, 311.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 125.738, 311.008 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(120, 1, 255)` looks like.

```
.text, #text, p{  
  color:rgb(120, 1, 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(120, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 1, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 125.738, 311.008 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(120, 1, 255) }
```

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

```
.border{ border-color:rgb(120, 1, 255) }
```

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

Here you see how a box with a 4 pixel rgb(120, 1, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 1,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 125.738, 311.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 1, 255) }
```

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

```
.background{ background-color: rgb(120, 1,  
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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