

Converting Colors

CIELCh(40, 125.819, 311.056)

Have a look what the booklet for
CIELCh(40, 125.819, 311.056)
contains.

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Color

CIELCh(40, 125.855, 311.028)

Conversions

Conversions Part 1

Format	Color
Hex	7800FF
RGB	120, 0, 255
RGB Percent	47%, 0%, 100%
CMY	0.5286, 0.9981, 0.0000
CMYK	0.53, 1.00, 0.00, 0.00
HSL	268°, 100%, 50%
HSV	268°, 100%, 100%
XYZ	25.8606, 11.2510, 95.5751
YIQ	64.9500, -10.3350, 104.7450

Conversions

Conversions Part 2

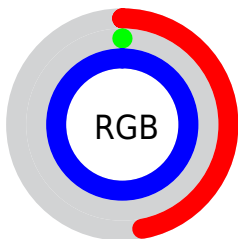
Format	Color
R_{YB}	120, 0, 255
Decimal	7864575
CIE _{Lab}	40.00, 82.61, -94.94
CIE _{LCh}	40, 125.855, 311.028
Yxy	11.2510, 0.1949, 0.0848
Android (android.graphics.Color)	4286054655 (0xFF7800FF)
YUV	64.9500, 93.6947, 48.2789
Hunter-Lab	33.5425, 78.9210, -145.4597

Details

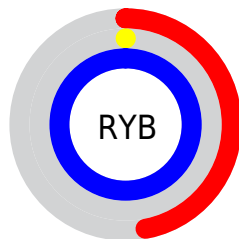
The CIELCh color **40, 125.855, 311.028** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **90, 108.312, 127.336**, and the grayscale version is **27, 0.004, 296.813**.

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, 125.859, 311.025**, and if you desaturate by 10%, it is **43, 120.701, 311.637**.

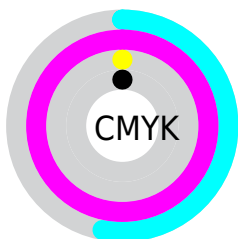
Distribution



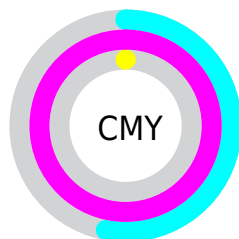
- Red (47%)
- Green (0%)
- Blue (100%)



- 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, 125.855, 311.028 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, 125.855, 311.028 by changing the saturation by 10% instead.


 40, 125.855,
311.028


 40, 125.855,
311.028


 100, 125.855,
311.028


 30, 125.855,
311.028


 60, 125.855,
311.028


 20, 125.855,
311.028


 70, 125.855,
311.028


 10, 125.855,
311.028

 80, 125.855,
311.028

 0, 125.855,
311.028


 90, 125.855,
311.028


 40, 125.855,


 40, 125.855,


311.028


311.028


 40, 125.859,
311.025


 43, 120.701,
311.637


 47, 112.118,
311.828

 52, 100.498,
311.657

 58, 86.935,
311.252

 64, 72.367,
310.720

 71, 57.436,
310.139

 78, 42.537,
309.555

 86, 27.891,
308.998

■ 93, 13.613,
308.478

Harmonies

Complementary

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



40, 125.855, 311.028



90, 108.312, 127.336

Rectangle

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



40, 125.855, 311.028



40, 125.855, 1.028



40, 125.855, 131.028



40, 125.855, 181.028

Sweetspot

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



40, 125.775, 311.037



78, 42.815, 309.566



57, 68.666, 281.515



39, 29.357, 309.810



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, 125.775, 311.037



40, 125.859, 311.025



59, 115.722, 326.896



49, 7.885, 308.463



29, 101.173, 311.219



6, 44.919, 312.069

Inverse Universe

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



55, 85.061, 0.016



55, 85.075, 0.090



88, 119.588, 135.929



50, 6.511, 342.830



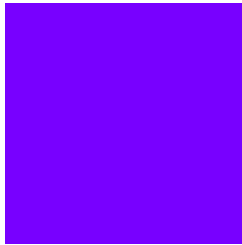
41, 68.655, 359.325



11, 32.179, 354.191

Previews

White Background



This preview shows how the CIELCh color 40, 125.855, 311.028 looks on a white background.

Color Contrast Check

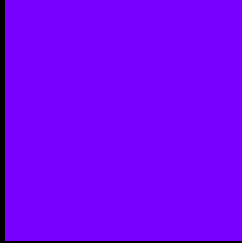
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125.855, 311.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

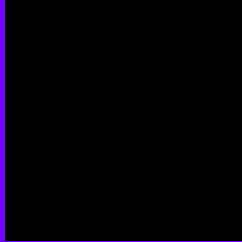
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 125.855, 311.028

Background



This preview shows how black text looks on a background with the CIELCh color 40, 125.855, 311.028.



This preview shows how white text looks on a background with the CIELCh color 40, 125.855, 311.028.

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, 125.855, 311.028

Protanopia

40, 61.532, 286.419

Deuteranopia

40, 42.765, 272.712



Tritanopia
40, 10.406, 226.496

Trichromacy



Original Color
40, 125.855, 311.028

Protanomaly
35, 94.630, 301.400

Deuteranomaly
34, 82.590, 299.555

Tritanomaly
35, 60.849, 306.129

Monochromacy



Original Color
40, 125.855, 311.028

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 58.861, 311.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 125.855, 311.028 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 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, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 125.855, 311.028 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, 0, 255) }
```

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

```
.border{ border-color:rgb(120, 0, 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, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 0,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 125.855, 311.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 255) }
```

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

```
.background{ background-color: rgb(120, 0,  
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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