

Converting Colors

CIELCh(40, 125.136, 311.304)

Have a look what the booklet for
CIELCh(40, 125.136, 311.304)
contains.

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Color

CIELCh(40, 125.213, 311.239)

Conversions

Conversions Part 1

Format	Color
Hex	7A00FE
RGB	122, 0, 254
RGB Percent	48%, 0%, 100%
CMY	0.5225, 1.0000, 0.0047
CMYK	0.52, 1.00, 0.00, 0.00
HSL	269°, 100%, 50%
HSV	269°, 100%, 100%
XYZ	25.8429, 11.2510, 94.4006
YIQ	65.4340, -8.8220, 104.8580

Conversions

Conversions Part 2

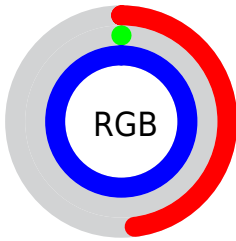
Format	Color
R_{YB}	122, 0, 254
Decimal	7995646
CIE _{Lab}	40.00, 82.54, -94.16
CIE _{LCh}	40, 125.213, 311.239
Yxy	11.2510, 0.1965, 0.0856
Android (android.graphics.Color)	4286185726 (0xFF7A00FE)
YUV	65.4340, 92.9630, 49.6084
Hunter-Lab	33.5425, 78.8266, -143.3837

Details

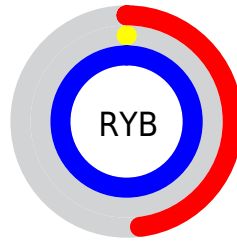
The CIELCh color **40, 125.213, 311.239** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **90, 108.318, 127.682**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 97.619, 315.282**, and **25, 107.745, 307.497** is the 20% darker color. If you saturate the color by 10%, you get **40, 125.148, 311.229**, and if you desaturate by 10%, it is **43, 120.179, 311.844**.

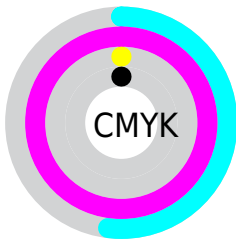
Distribution



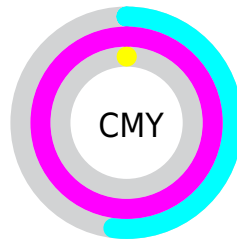
- Red (48%)
- Green (0%)
- Blue (100%)



- Red (48%)
- Yellow (0%)
- Blue (100%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 125.213, 311.239 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, 125.213, 311.239 by changing the saturation by 10% instead.


 40, 125.213,
311.239


 40, 125.213,
311.239


 100, 125.213,
311.239


 30, 125.213,
311.239


 60, 125.213,
311.239


 20, 125.213,
311.239


 70, 125.213,
311.239

 10, 125.213,
311.239

 80, 125.213,
311.239

 0, 125.213,
311.239

 90, 125.213,
311.239

 40, 125.213,

 40, 125.213,

311.239

311.239

■ 40, 125.148,
311.229

■ 43, 120.179,
311.844

■ 47, 111.765,
312.059

■ 52, 100.307,
311.912

■ 58, 86.879,
311.529

■ 64, 72.413,
311.016

■ 71, 57.556,
310.449

■ 78, 42.709,
309.876

■ 85, 28.101,
309.327

■ 92, 13.850,
308.813

Harmonies

Complementary

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



40, 125.213, 311.239



90, 108.318, 127.682

Rectangle

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



40, 125.213, 311.239



40, 125.213, 1.239



40, 125.213, 131.239



40, 125.213, 181.239

Sweetspot

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



40, 125.148, 311.229



78, 42.874, 309.877



57, 68.530, 281.588



39, 29.394, 310.117



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, 125.148, 311.229



40, 125.603, 311.226



59, 115.339, 326.895



49, 7.899, 308.789



30, 100.970, 311.421



6, 44.916, 312.324

Inverse Universe

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



55, 84.604, 0.976



55, 84.907, 0.988



87, 119.195, 135.923



50, 6.470, 343.323



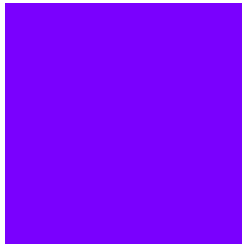
41, 68.505, 0.202



11, 32.074, 354.919

Previews

White Background



This preview shows how the CIELCh color 40, 125.213, 311.239 looks on a white background.

Color Contrast Check

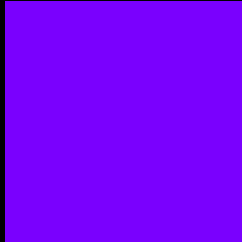
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125.213, 311.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

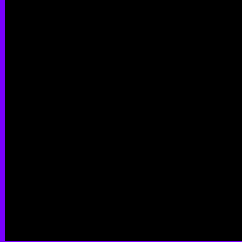
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 125.213, 311.239

Background



This preview shows how black text looks on a background with the CIELCh color 40, 125.213, 311.239.



This preview shows how white text looks on a background with the CIELCh color 40, 125.213, 311.239.

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, 125.213, 311.239

Protanopia

40, 62.091, 286.658

Deuteranopia

40, 42.765, 272.712



Tritanopia
41, 9.503, 229.523

Trichromacy



Original Color
40, 125.213, 311.239

Protanomaly
35, 94.630, 301.400

Deuteranomaly
34, 82.672, 299.731

Tritanomaly
35, 60.277, 306.723

Monochromacy



Original Color
40, 125.213, 311.239

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 59.431, 311.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 125.213, 311.239 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(122, 0, 254)` looks like.

```
.text, #text, p{  
    color:rgb(122, 0, 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(122, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 125.213, 311.239 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(122, 0, 254) }
```

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

```
.border{ border-color:rgb(122, 0, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 0, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(122, 0,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 125.213, 311.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 254) }
```

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

```
.background{ background-color: rgb(122, 0,  
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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