

Converting Colors

CIELCh(40, 123.307, 309.259)

Have a look what the booklet for
CIELCh(40, 123.307, 309.259)
contains.

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Color

CIELCh(40, 122.823, 309.302)

Conversions

Conversions Part 1

Format	Color
Hex	6C1BFF
RGB	108, 27, 255
RGB Percent	42%, 11%, 100%
CMY	0.5751, 0.8925, 0.0000
CMYK	0.58, 0.89, 0.00, 0.00
HSL	261°, 100%, 55%
HSV	261°, 89%, 100%
XYZ	24.7241, 11.2510, 95.7235
YIQ	77.2110, -24.9120, 88.0800

Conversions

Conversions Part 2

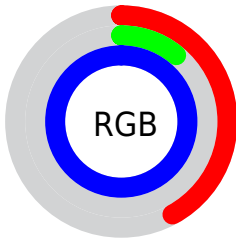
Format	Color
R_{YB}	108, 27, 255
Decimal	7085055
CIE _{Lab}	40.00, 77.80, -95.04
CIE _{LCh}	40, 122.823, 309.302
Yxy	11.2510, 0.1877, 0.0854
Android (android.graphics.Color)	4285275135 (0xFF6C1BFF)
YUV	77.2110, 87.6500, 27.0020
Hunter-Lab	33.5425, 72.8728, -145.7220

Details

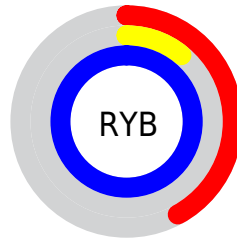
The CIELCh color **40, 122.823, 309.302** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **92, 100.559, 121.588**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 93.704, 312.556**, and **24, 110.014, 306.384** is the 20% darker color. If you saturate the color by 10%, you get **37, 128.499, 308.955**, and if you desaturate by 10%, it is **44, 113.025, 309.196**.

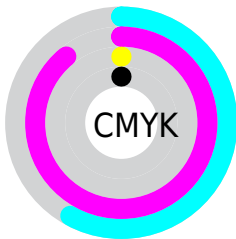
Distribution



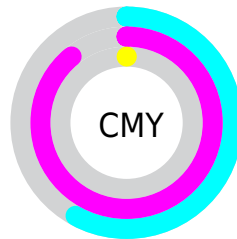
- Red (42%)
- Green (11%)
- Blue (100%)



- Red (42%)
- Yellow (11%)
- Blue (100%)



- Cyan (58%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (89%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 122.823, 309.302 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, 122.823, 309.302 by changing the saturation by 10% instead.


 40, 122.823,
309.302


 40, 122.823,
309.302


 100, 122.823,
309.302


 30, 122.823,
309.302


 60, 122.823,
309.302


 20, 122.823,
309.302


 70, 122.823,
309.302


 10, 122.823,
309.302

 80, 122.823,
309.302

 0, 122.823,
309.302

 90, 122.823,
309.302

 40, 122.823,

 40, 122.823,

309.302

309.302

■ 37, 128.499,
308.955

■ 44, 113.025,
309.196

■ 37, 128.865,
308.927

■ 50, 100.378,
308.707

■ 56, 86.064,
308.006

■ 63, 71.059,
307.220

■ 71, 55.960,
306.430

■ 78, 41.090,
305.680

■ 86, 26.606,
304.993

■ 93, 12.576,
304.375

100, 0.012,
296.813

Harmonies

Complementary

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



40, 122.823, 309.302



92, 100.559, 121.588

Rectangle

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



40, 122.823, 309.302



40, 122.823, 359.302



40, 122.823, 129.302



40, 122.823, 179.302

Sweetspot

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



40, 122.694, 309.311



80, 37.787, 305.520



68, 50.055, 260.415



40, 25.600, 305.764



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, 122.694, 309.311



37, 128.865, 308.927



55, 114.028, 322.785



49, 7.729, 304.389



27, 103.574, 309.099



5, 44.844, 309.058

Inverse Universe

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



57, 88.450, 347.086



56, 88.989, 349.763



88, 114.835, 135.083



50, 7.055, 337.284



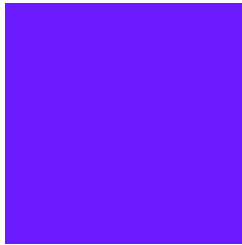
42, 71.912, 349.258



11, 33.914, 345.903

Previews

White Background



This preview shows how the CIELCh color 40, 122.823, 309.302 looks on a white background.

Color Contrast Check

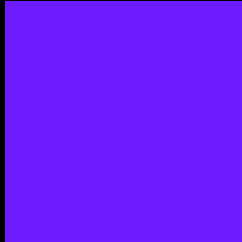
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122.823, 309.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

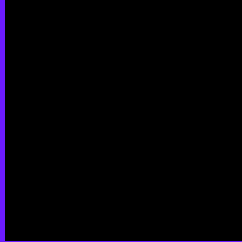
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 122.823, 309.302

Background



This preview shows how black text looks on a background with the CIELCh color 40, 122.823, 309.302.



This preview shows how white text looks on a background with the CIELCh color 40, 122.823, 309.302.

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, 122.823, 309.302

Protanopia

40, 61.041, 286.408

Deuteranopia

40, 42.252, 272.503



Tritanopia
40, 17.661, 215.815

Trichromacy



Original Color
40, 122.823, 309.302

Protanomaly
37, 88.244, 299.119

Deuteranomaly
36, 75.804, 296.560

Tritanomaly
36, 54.939, 297.474

Monochromacy



Original Color
40, 122.823, 309.302

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 51.989, 307.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 122.823, 309.302 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(108, 27, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 27, 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(108, 27, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 27, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 122.823, 309.302 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(108, 27, 255) }
```

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

```
.border{ border-color:rgb(108, 27, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 27, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 27, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 27, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 27,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 122.823, 309.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 27, 255) }
```

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

```
.background{ background-color: rgb(108, 27,  
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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