

Converting Colors

CIELCh(40, 114.638, 311.049)

Have a look what the booklet for
CIELCh(40, 114.638, 311.049)
contains.

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Color

CIELCh(40, 114.607, 311.095)

Conversions

Conversions Part 1

Format	Color
Hex	7A1CF0
RGB	122, 28, 240
RGB Percent	48%, 11%, 94%
CMY	0.5217, 0.8904, 0.0590
CMYK	0.49, 0.88, 0.00, 0.06
HSL	267°, 88%, 53%
HSV	267°, 88%, 94%
XYZ	24.1557, 11.2510, 83.3043
YIQ	80.2740, -12.0280, 85.8600

Conversions

Conversions Part 2

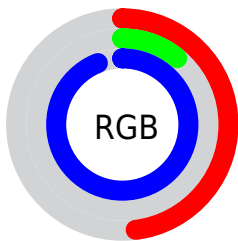
Format	Color
R_{YB}	122, 28, 240
Decimal	8002800
CIE _{Lab}	40.00, 75.33, -86.37
CIE _{LCh}	40, 114.607, 311.095
Yxy	11.2510, 0.2035, 0.0948
Android (android.graphics.Color)	4286192880 (0xFF7A1CF0)
YUV	80.2740, 78.7449, 36.5937
Hunter-Lab	33.5425, 69.8481, -123.7698

Details

The CIELCh color **40, 114.607, 311.095** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **86, 98.070, 125.032**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 93.171, 314.392**, and **24, 101.034, 308.155** is the 20% darker color. If you saturate the color by 10%, you get **37, 120.100, 310.598**, and if you desaturate by 10%, it is **44, 105.655, 311.159**.

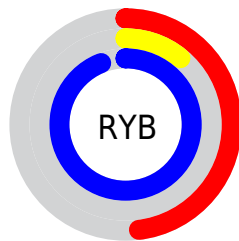
Distribution



Red (48%)

Green (11%)

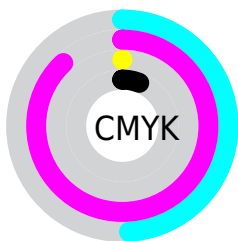
Blue (94%)



Red (48%)

Yellow (11%)

Blue (94%)

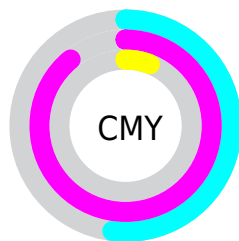


Cyan (49%)

Magenta (88%)

Yellow (0%)

Black (6%)



Cyan (52%)


Magenta (89%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 114.607, 311.095 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, 114.607, 311.095 by changing the saturation by 10% instead.


 40, 114.607,
311.095


 40, 114.607,
311.095


 100, 114.607,
311.095


 30, 114.607,
311.095


 60, 114.607,
311.095


 20, 114.607,
311.095


 70, 114.607,
311.095


 10, 114.607,
311.095

 80, 114.607,
311.095

 0, 114.607,
311.095

 90, 114.607,
311.095

 40, 114.607,

 40, 114.607,

311.095

311.095

■ 37, 120.100,
310.598

■ 44, 105.655,
311.159

■ 37, 120.850,
310.507

■ 49, 94.006,
310.880

■ 55, 80.735,
310.392

■ 62, 66.691,
309.800

■ 68, 52.432,
309.176

■ 75, 38.287,
308.565

■ 82, 24.433,
307.989

■ 89, 10.956,
307.458

Harmonies

Complementary

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



40, 114.607, 311.095



86, 98.070, 125.032

Rectangle

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



40, 114.607, 311.095



40, 114.607, 1.095



40, 114.607, 131.095



40, 114.607, 181.095

Sweetspot

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



40, 114.608, 311.096



80, 38.231, 308.489



60, 54.714, 271.870



40, 25.880, 308.694



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, 114.608, 311.096



39, 126.591, 310.471



55, 107.865, 325.739



46, 7.456, 307.515



27, 98.677, 310.694



4, 39.403, 310.279

Inverse Universe

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



53, 80.741, 353.468



55, 85.695, 357.541



83, 110.392, 135.972



47, 6.304, 341.438



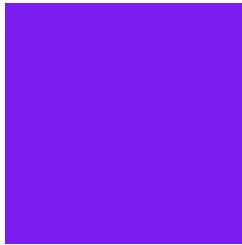
40, 67.148, 356.723



9, 30.062, 351.338

Previews

White Background



This preview shows how the CIELCh color 40, 114.607, 311.095 looks on a white background.

Color Contrast Check

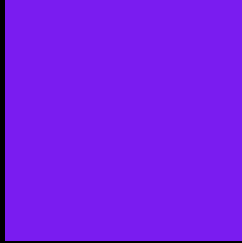
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.607, 311.095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

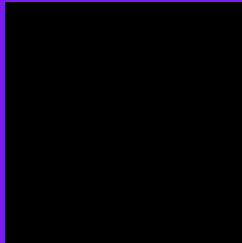
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 114.607, 311.095

Background



This preview shows how black text looks on a background with the CIELCh color 40, 114.607, 311.095.



This preview shows how white text looks on a background with the CIELCh color 40, 114.607, 311.095.

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

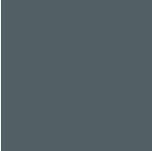
40, 114.607, 311.095

Protanopia

40, 61.601, 286.649

Deuteranopia

40, 42.769, 273.021



Tritanopia
40, 6.677, 246.128

Trichromacy



Original Color
40, 114.607, 311.095

Protanomaly
37, 85.440, 299.099

Deuteranomaly
36, 73.468, 296.592

Tritanomaly
37, 51.107, 306.658

Monochromacy



Original Color
40, 114.607, 311.095

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 49.160, 310.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 114.607, 311.095 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, 28, 240)` looks like.

```
.text, #text, p{  
    color:rgb(122, 28, 240)  
}
```

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, 28, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 28, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 114.607, 311.095 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, 28, 240) }
```

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

```
.border{ border-color:rgb(122, 28, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 28, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 28, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 28, 240);  
box-shadow:4px 4px 4px 4px rgb(122, 28,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 114.607, 311.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 28, 240) }
```

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

```
.background{ background-color: rgb(122, 28,  
240) }
```

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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