

Converting Colors

CIELCh(40, 112.328, 309.605)

Have a look what the booklet for
CIELCh(40, 112.328, 309.605)
contains.

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Color

CIELCh(40, 112.423, 309.619)

Conversions

Conversions Part 1

Format	Color
Hex	7126F0
RGB	113, 38, 240
RGB Percent	44%, 15%, 94%
CMY	0.5555, 0.8497, 0.0576
CMYK	0.53, 0.84, 0.00, 0.06
HSL	262°, 87%, 55%
HSV	262°, 84%, 94%
XYZ	23.3319, 11.2510, 83.6182
YIQ	83.4530, -20.1420, 78.7220

Conversions

Conversions Part 2

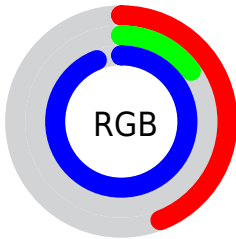
Format	Color
R_{YB}	113, 38, 240
Decimal	7415536
CIE _{Lab}	40.00, 71.69, -86.60
CIE _{LCh}	40, 112.423, 309.619
Yxy	11.2510, 0.1974, 0.0952
Android (android.graphics.Color)	4285605616 (0xFF7126F0)
YUV	83.4530, 77.1777, 25.9127
Hunter-Lab	33.5425, 65.4637, -124.3245

Details

The CIELCh color **40, 112.423, 309.619** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **87, 93.739, 121.852**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 90.514, 312.300**, and **23, 102.262, 307.294** is the 20% darker color. If you saturate the color by 10%, you get **36, 119.871, 309.471**, and if you desaturate by 10%, it is **45, 101.612, 309.328**.

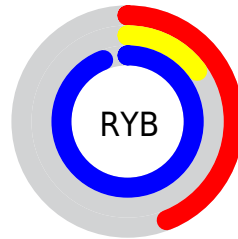
Distribution



Red (44%)

Green (15%)

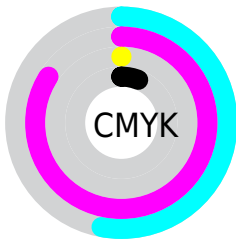
Blue (94%)



Red (44%)

Yellow (15%)

Blue (94%)

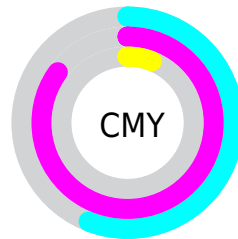


Cyan (53%)

Magenta (84%)

Yellow (0%)

Black (6%)



Cyan (56%)


Magenta (85%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 112.423, 309.619 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, 112.423, 309.619 by changing the saturation by 10% instead.


 40, 112.423,
309.619


 40, 112.423,
309.619


 100, 112.423,
309.619


 30, 112.423,
309.619


 60, 112.423,
309.619


 20, 112.423,
309.619


 70, 112.423,
309.619


 10, 112.423,
309.619

 80, 112.423,
309.619

 0, 112.423,
309.619

 90, 112.423,
309.619

 40, 112.423,

 40, 112.423,

309.619

309.619

■ 36, 119.871,
309.471

■ 45, 101.612,
309.328

■ 35, 122.781,
309.207

■ 51, 88.656,
308.755

■ 57, 74.635,
308.040

■ 64, 60.270,
307.283

■ 71, 45.979,
306.543

■ 78, 31.981,
305.850

■ 85, 18.379,
305.220

■ 92, 5.213, 304.648

Harmonies

Complementary

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



40, 112.423, 309.619



87, 93.739, 121.852

Rectangle

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



40, 112.423, 309.619



40, 112.423, 359.619



40, 112.423, 129.619



40, 112.423, 179.619

Sweetspot

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



40, 112.424, 309.620



81, 34.945, 305.919



65, 47.001, 260.387



41, 23.973, 306.159



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, 112.424, 309.620



37, 128.474, 309.175



54, 106.279, 323.467



46, 7.364, 304.953



26, 100.135, 309.381



4, 39.090, 308.067

Inverse Universe

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



55, 82.544, 347.000



56, 88.264, 351.092



84, 107.034, 135.340



47, 6.631, 337.987



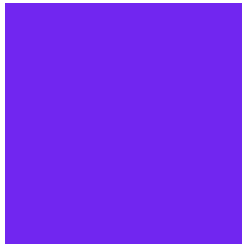
40, 69.224, 350.466



9, 31.103, 346.361

Previews

White Background



This preview shows how the CIE LCh color 40, 112.423, 309.619 looks on a white background.

Color Contrast Check

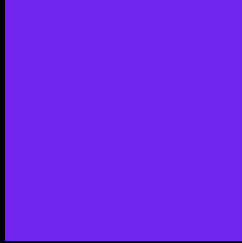
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.423, 309.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

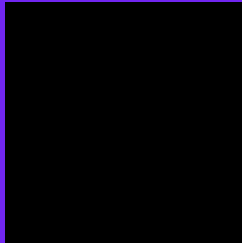
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 112.423, 309.619

Background



This preview shows how black text looks on a background with the CIELCh color 40, 112.423, 309.619.

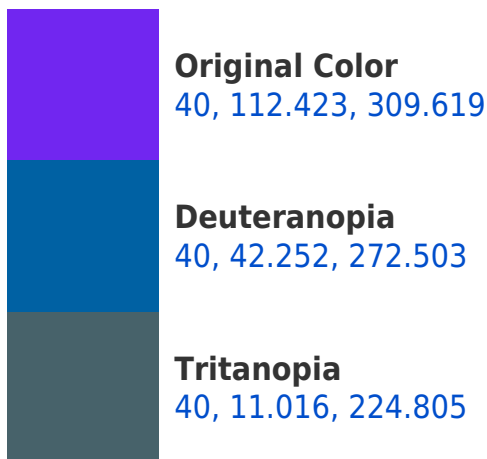


This preview shows how white text looks on a background with the CIELCh color 40, 112.423, 309.619.

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



Trichromacy



Original Color
40, 112.423, 309.619

Deuteranomaly
37, 70.332, 294.902

Tritanomaly
37, 48.783, 300.711

Monochromacy



Original Color
40, 112.423, 309.619

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 46.842, 307.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 112.423, 309.619 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(113, 38, 240)` looks like.

```
.text, #text, p{  
    color:rgb(113, 38, 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(113, 38, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 38, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 112.423, 309.619 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(113, 38, 240) }
```

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

```
.border{ border-color:rgb(113, 38, 240) }
```

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

Here you see how a box with a 4 pixel rgb(113, 38, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 38, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 38, 240);  
box-shadow:4px 4px 4px 4px rgb(113, 38,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 112.423, 309.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 38, 240) }
```

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

```
.background{ background-color: rgb(113, 38,  
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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