

Converting Colors

CIELCh(40, 120.170, 309.913)

Have a look what the booklet for
CIELCh(40, 120.170, 309.913)
contains.

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Color

CIELCh(40, 120.063, 309.963)

Conversions

Conversions Part 1

Format	Color
Hex	721BFA
RGB	114, 27, 250
RGB Percent	45%, 11%, 98%
CMY	0.5532, 0.8945, 0.0198
CMYK	0.54, 0.89, 0.00, 0.02
HSL	263°, 96%, 54%
HSV	263°, 89%, 98%
XYZ	24.5661, 11.2510, 91.2690
YIQ	78.4350, -19.7310, 87.7970

Conversions

Conversions Part 2

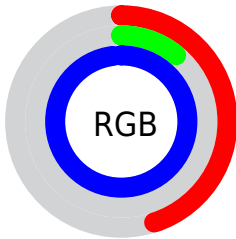
Format	Color
RYB	114, 27, 250
Decimal	7478266
CIELab	40.00, 77.12, -92.02
CIELCh	40, 120.063, 309.963
Yxy	11.2510, 0.1933, 0.0885
Android (android.graphics.Color)	4285668346 (0xFF721BFA)
YUV	78.4350, 84.5815, 31.1905
Hunter-Lab	33.5425, 72.0318, -137.8483

Details

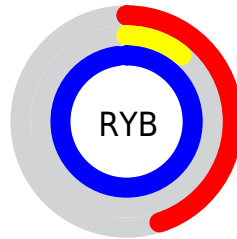
The CIELCh color **40, 120.063, 309.963** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **90, 100.025, 123.035**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 93.685, 313.421**, and **24, 106.907, 306.984** is the 20% darker color. If you saturate the color by 10%, you get **37, 125.682, 309.533**, and if you desaturate by 10%, it is **44, 110.761, 309.942**.

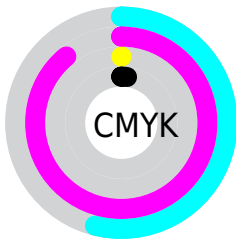
Distribution



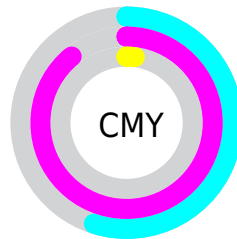
- Red (45%)
- Green (11%)
- Blue (98%)



- Red (45%)
- Yellow (11%)
- Blue (98%)



- Cyan (54%)
- Magenta (89%)
- Yellow (0%)
- Black (2%)





- Cyan (55%)
- Magenta (89%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 120.063, 309.963 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, 120.063, 309.963 by changing the saturation by 10% instead.


 40, 120.063,
309.963


 40, 120.063,
309.963


 100, 120.063,
309.963


 30, 120.063,
309.963


 60, 120.063,
309.963


 20, 120.063,
309.963


 70, 120.063,
309.963


 10, 120.063,
309.963

 80, 120.063,
309.963

 0, 120.063,
309.963

 90, 120.063,
309.963

 40, 120.063,

 40, 120.063,

309.963

309.963

■ 37, 125.682,
309.533

■ 44, 110.761,
309.942

■ 37, 126.050,
309.499

■ 50, 98.551,
309.553

■ 56, 84.651,
308.949

■ 63, 70.001,
308.249

■ 70, 55.194,
307.530

■ 77, 40.563,
306.838

■ 84, 26.277,
306.197

■ 91, 12.413,
305.615

Harmonies

Complementary

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



40, 120.063, 309.963



90, 100.025, 123.035

Rectangle

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



40, 120.063, 309.963



40, 120.063, 359.963



40, 120.063, 129.963



40, 120.063, 179.963

Sweetspot

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



40, 120.064, 309.964



80, 37.951, 306.692



65, 52.091, 265.520



40, 25.703, 306.920



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, 120.064, 309.964



38, 127.996, 309.488



56, 111.979, 323.951



48, 7.644, 305.629



27, 101.841, 309.678



5, 43.065, 309.595

Inverse Universe

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



56, 85.516, 349.615



56, 87.472, 352.719



87, 113.625, 135.467



49, 6.771, 338.857



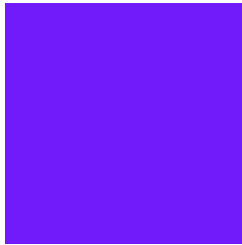
41, 69.981, 352.107



10, 32.480, 348.062

Previews

White Background



This preview shows how the CIE LCh color 40, 120.063, 309.963 looks on a white background.

Color Contrast Check

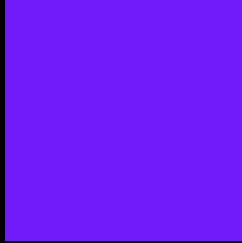
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120.063, 309.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

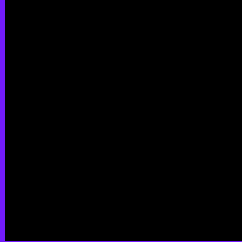
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 120.063, 309.963

Background



This preview shows how black text looks on a background with the CIELCh color 40, 120.063, 309.963.



This preview shows how white text looks on a background with the CIELCh color 40, 120.063, 309.963.

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, 120.063, 309.963

Protanopia

40, 61.041, 286.408

Deuteranopia

40, 42.252, 272.503



Tritanopia
40, 12.784, 220.700

Trichromacy



Original Color
40, 120.063, 309.963

Protanomaly
37, 87.126, 299.104

Deuteranomaly
36, 75.209, 296.624

Tritanomaly
36, 53.148, 300.928

Monochromacy



Original Color
40, 120.063, 309.963

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 52.104, 308.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 120.063, 309.963 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(114, 27, 250)` looks like.

```
.text, #text, p{  
    color:rgb(114, 27, 250)  
}
```

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(114, 27, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 27, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 120.063, 309.963 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(114, 27, 250) }
```

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

```
.border{ border-color:rgb(114, 27, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 27, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 27, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 27, 250);  
box-shadow:4px 4px 4px 4px rgb(114, 27,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 120.063, 309.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 27, 250) }
```

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

```
.background{ background-color: rgb(114, 27,  
250) }
```

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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