

Converting Colors

CIELCh(41, 121.073, 310.778)

Have a look what the booklet for
CIELCh(41, 121.073, 310.778)
contains.

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Color

CIELCh(41, 120.801, 310.820)

Conversions

Conversions Part 1

Format	Color
Hex	7B18FC
RGB	123, 24, 252
RGB Percent	48%, 9%, 99%
CMY	0.5182, 0.9067, 0.0123
CMYK	0.51, 0.91, 0.00, 0.01
HSL	266°, 97%, 54%
HSV	266°, 91%, 99%
XYZ	26.0193, 11.8645, 92.9033
YIQ	79.5930, -14.1840, 91.8960

Conversions

Conversions Part 2

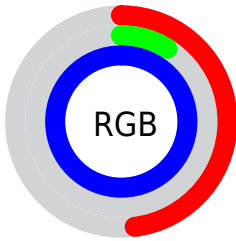
Format	Color
R _Y B	123, 24, 252
Decimal	8067324
CIE Lab	41.00, 78.97, -91.42
CIE LCh	41, 120.801, 310.820
Yxy	11.8645, 0.1989, 0.0907
Android (android.graphics.Color)	4286257404 (0xFF7B18FC)
YUV	79.5930, 84.9967, 38.0679
Hunter-Lab	34.4449, 74.5585, -135.8029

Details

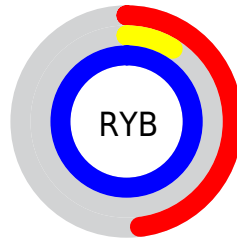
The CIELCh color **41, 120.801, 310.820** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **90, 102.644, 124.914**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 93.686, 314.834**, and **25, 106.562, 307.736** is the 20% darker color. If you saturate the color by 10%, you get **38, 125.641, 310.301**, and if you desaturate by 10%, it is **45, 112.264, 310.968**.

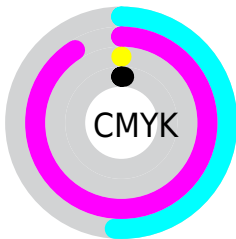
Distribution



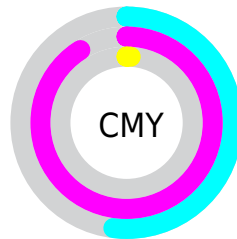
- Red (48%)
- Green (9%)
- Blue (99%)



- Red (48%)
- Yellow (9%)
- Blue (99%)



- Cyan (51%)
- Magenta (91%)
- Yellow (0%)
- Black (1%)





- Cyan (52%)
- Magenta (91%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 120.801, 310.820 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 41, 120.801, 310.820 by changing the saturation by 10% instead.


 41, 120.801,
310.820


 41, 120.801,
310.820


 100, 120.801,
310.820


 31, 120.801,
310.820


 61, 120.801,
310.820


 21, 120.801,
310.820


 71, 120.801,
310.820


 11, 120.801,
310.820


 81, 120.801,
310.820

 1, 120.801,
310.820

 91, 120.801,
310.820

 0, 120.801,
310.820

 41, 120.801,

 41, 120.801,

310.820

310.820

■ 38, 125.641,
310.301

■ 45, 112.264,
310.968

■ 50, 100.644,
310.736

■ 56, 87.094,
310.264

■ 63, 72.579,
309.669

■ 70, 57.749,
309.032

■ 77, 42.990,
308.400

■ 84, 28.513,
307.804

■ 91, 14.422,
307.254

Harmonies

Complementary

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



41, 120.801, 310.820



90, 102.644, 124.914

Rectangle

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



41, 120.801, 310.820



41, 120.801, 0.820



41, 120.801, 130.820



41, 120.801, 180.820

Sweetspot

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



41, 120.802, 310.821



80, 38.181, 308.184



62, 58.123, 273.058



40, 25.848, 308.393



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 120.802, 310.821



39, 126.834, 310.293



58, 112.794, 325.719



48, 7.703, 307.198



28, 100.923, 310.493



5, 43.156, 310.817

Inverse Universe

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



56, 84.518, 353.480



55, 85.946, 356.700



87, 115.616, 135.909



49, 6.565, 340.988



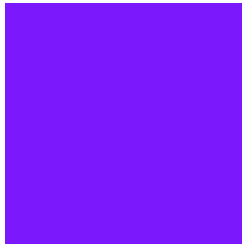
41, 68.723, 355.981



10, 31.822, 351.215

Previews

White Background



This preview shows how the CIELCh color 41, 120.801, 310.820 looks on a white background.

Color Contrast Check

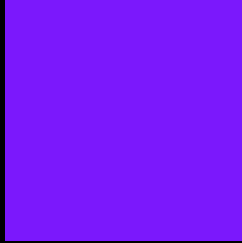
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 120.801, 310.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

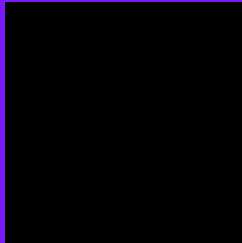
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 120.801, 310.820

Background



This preview shows how black text looks on a background with the CIELCh color 41, 120.801, 310.820.



This preview shows how white text looks on a background with the CIELCh color 41, 120.801, 310.820.

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

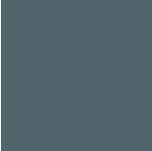
41, 120.801, 310.820

Protanopia

41, 62.580, 286.667

Deuteranopia

41, 43.274, 272.613



Tritanopia
41, 8.896, 231.892

Trichromacy



Original Color
41, 120.801, 310.820

Protanomaly
37, 89.192, 299.625

Deuteranomaly
36, 76.813, 297.261

Tritanomaly
37, 54.419, 305.206

Monochromacy



Original Color
41, 120.801, 310.820

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 52.735, 309.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 120.801, 310.820 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(123, 24, 252)` looks like.

```
.text, #text, p{  
    color:rgb(123, 24, 252)  
}
```

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(123, 24, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 24, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 120.801, 310.820 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(123, 24, 252) }
```

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

```
.border{ border-color:rgb(123, 24, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 24, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 24, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 24, 252);  
box-shadow:4px 4px 4px 4px rgb(123, 24,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 120.801, 310.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 24, 252) }
```

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

```
.background{ background-color: rgb(123, 24,  
252) }
```

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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