

Converting Colors

CIELCh(41, 119.975, 309.567)

Have a look what the booklet for
CIELCh(41, 119.975, 309.567)
contains.

CIELCh(41, 120.186, 309.620)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(41, 120.186, 309.620)

Conversions

Conversions Part 1

Format	Color
Hex	7321FE
RGB	115, 33, 254
RGB Percent	45%, 13%, 100%
CMY	0.5495, 0.8712, 0.0044
CMYK	0.55, 0.87, 0.00, 0.00
HSL	262°, 99%, 56%
HSV	262°, 87%, 100%
XYZ	25.4646, 11.8645, 94.6181
YIQ	82.7120, -22.0690, 86.1150

Conversions

Conversions Part 2

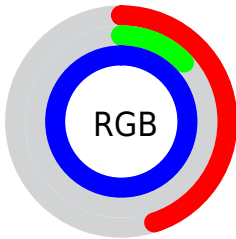
Format	Color
R _Y B	115, 33, 254
Decimal	7545342
CIE Lab	41.00, 76.64, -92.58
CIE LCh	41, 120.186, 309.620
Yxy	11.8645, 0.1930, 0.0899
Android (android.graphics.Color)	4285735422 (0xFF7321FE)
YUV	82.7120, 84.4450, 28.3166
Hunter-Lab	34.4449, 71.6835, -138.7545

Details

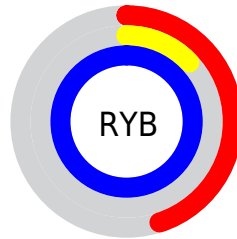
The CIELCh color $41, 120.186, 309.620$ is a dark color, and the websafe version is hex $6633FF$. The color can be described as middle washed purple. A complement of this color would be $92, 99.583, 122.065$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 91.594, 313.222$, and $25, 108.558, 306.988$ is the 20% darker color. If you saturate the color by 10%, you get $38, 126.637, 309.306$, and if you desaturate by 10%, it is $46, 109.894, 309.455$.

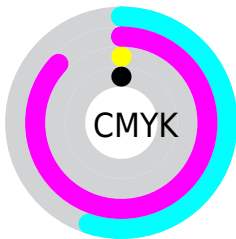
Distribution



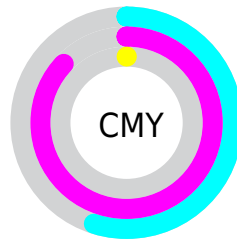
- Red (45%)
- Green (13%)
- Blue (100%)



- Red (45%)
- Yellow (13%)
- Blue (100%)



- Cyan (55%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (87%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 120.186, 309.620 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, 120.186, 309.620 by changing the saturation by 10% instead.


 41, 120.186,
309.620


 41, 120.186,
309.620


 100, 120.186,
309.620


 31, 120.186,
309.620


 61, 120.186,
309.620


 21, 120.186,
309.620


 71, 120.186,
309.620


 11, 120.186,
309.620


 81, 120.186,
309.620

 1, 120.186,
309.620

 91, 120.186,
309.620

 0, 120.186,
309.620

 41, 120.186,

 41, 120.186,

309.620

309.620

■ 38, 126.637,
309.306

■ 46, 109.894,
309.455

■ 37, 128.052,
309.173

■ 51, 96.930,
308.952

■ 58, 82.525,
308.268

■ 65, 67.558,
307.513

■ 72, 52.558,
306.760

■ 79, 37.811,
306.048

■ 87, 23.455,
305.396

■ 94, 9.549, 304.807

100, 0.553,
109.997

Harmonies

Complementary

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



41, 120.186, 309.620



92, 99.583, 122.065

Rectangle

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



41, 120.186, 309.620



41, 120.186, 359.620



41, 120.186, 129.620



41, 120.186, 179.620

Sweetspot

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



41, 120.187, 309.621



81, 36.399, 305.976



67, 50.360, 261.957



40, 24.808, 306.215



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, 120.187, 309.621



37, 128.481, 309.170



56, 112.520, 323.413



49, 7.748, 304.946



27, 103.266, 309.346



5, 44.865, 309.448

Inverse Universe

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



57, 86.972, 347.697



56, 88.277, 351.067



88, 113.587, 135.291



50, 6.978, 337.979



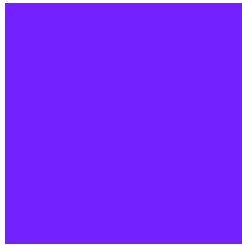
42, 71.332, 350.528



11, 33.635, 346.945

Previews

White Background



This preview shows how the CIE LCh color 41, 120.186, 309.620 looks on a white background.

Color Contrast Check

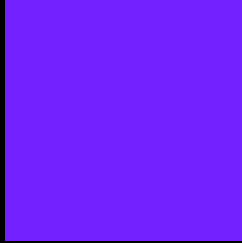
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 41, 120.186, 309.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

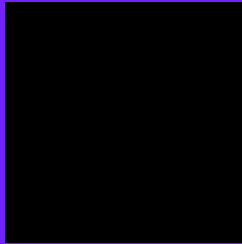
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 120.186, 309.620

Background



This preview shows how black text looks on a background with the CIELCh color 41, 120.186, 309.620.



This preview shows how white text looks on a background with the CIELCh color 41, 120.186,

309.620.

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, 120.186, 309.620

Protanopia

41, 62.580, 286.667

Deuteranopia

41, 43.278, 272.917



Tritanopia
41, 13.637, 219.034

Trichromacy



Original Color
41, 120.186, 309.620

Protanomaly
38, 87.930, 298.818

Deuteranomaly
37, 75.479, 296.216

Tritanomaly
37, 52.222, 299.818

Monochromacy



Original Color
41, 120.186, 309.620

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 50.478, 308.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 120.186, 309.620 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(115, 33, 254)` looks like.

```
.text, #text, p{  
    color:rgb(115, 33, 254)  
}
```

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(115, 33, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 33, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 120.186, 309.620 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(115, 33, 254) }
```

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

```
.border{ border-color:rgb(115, 33, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 33, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 33, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 33, 254);  
box-shadow:4px 4px 4px 4px rgb(115, 33,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 120.186, 309.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 33, 254) }
```

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

```
.background{ background-color: rgb(115, 33,  
254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor