

Converting Colors

CIELCh(41, 109.277, 316.527)

Have a look what the booklet for
CIELCh(41, 109.277, 316.527)
contains.

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Color

CIELCh(41, 108.761, 316.531)

Conversions

Conversions Part 1

Format	Color
Hex	9700DF
RGB	151, 0, 223
RGB Percent	59%, 0%, 87%
CMY	0.4086, 1.0000, 0.1263
CMYK	0.32, 1.00, 0.00, 0.13
HSL	281°, 100%, 44%
HSV	281°, 100%, 87%
XYZ	26.0115, 11.8645, 70.5921
YIQ	70.5710, 18.4130, 101.3650

Conversions

Conversions Part 2

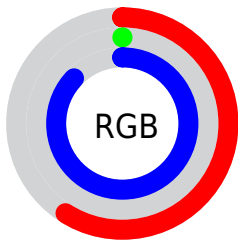
Format	Color
R_{YB}	151, 0, 223
Decimal	9896159
CIE _{Lab}	41.00, 78.93, -74.82
CIE _{LCh}	41, 108.761, 316.531
Yxy	11.8645, 0.2398, 0.1094
Android (android.graphics.Color)	4288086239 (0xFF9700DF)
YUV	70.5710, 75.1475, 70.5362
Hunter-Lab	34.4449, 74.5175, -97.3986

Details

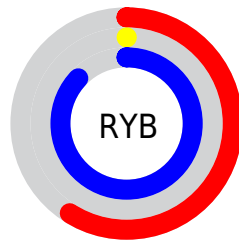
The CIELCh color **41, 108.761, 316.531** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **78, 103.840, 132.870**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 96.740, 319.548**, and **27, 89.486, 313.139** is the 20% darker color. If you saturate the color by 10%, you get **41, 108.694, 316.522**, and if you desaturate by 10%, it is **43, 105.096, 317.149**.

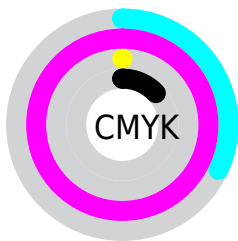
Distribution



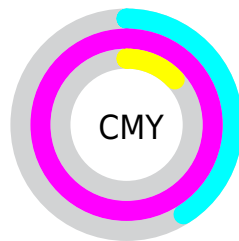
- Red (59%)
- Green (0%)
- Blue (87%)



- Red (59%)
- Yellow (0%)
- Blue (87%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)





- Cyan (41%)
- Magenta (100%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 108.761, 316.531 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, 108.761, 316.531 by changing the saturation by 10% instead.


 41, 108.761,
316.531


 41, 108.761,
316.531


 100, 108.761,
316.531


 31, 108.761,
316.531


 61, 108.761,
316.531


 21, 108.761,
316.531


 71, 108.761,
316.531

 11, 108.761,
316.531


 81, 108.761,
316.531

 1, 108.761,
316.531

 91, 108.761,
316.531

 0, 108.761,
316.531

 41, 108.761,

 41, 108.761,

316.531

316.531

■ 41, 108.694,
316.522

■ 43, 105.096,
317.149

■ 46, 98.812,
317.491

■ 50, 89.810,
317.550

■ 54, 78.754,
317.396

■ 59, 66.358,
317.098

■ 65, 53.219,
316.714

■ 71, 39.774,
316.285

■ 77, 26.315,
315.841

■ 83, 13.025,
315.399

Harmonies

Complementary

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



41, 108.761, 316.531



78, 103.840, 132.870

Rectangle

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



41, 108.761, 316.531



41, 108.761, 6.531



41, 108.761, 136.531



41, 108.761, 186.531

Sweetspot

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



41, 108.694, 316.522



80, 44.381, 316.295



38, 89.471, 297.048



40, 30.341, 316.480



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, 108.694, 316.522



47, 120.421, 316.447



51, 91.496, 336.310



44, 7.434, 315.374



32, 91.032, 316.678



5, 34.702, 316.942

Inverse Universe

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



47, 78.645, 19.752



54, 87.289, 20.225



78, 103.774, 137.731



44, 5.161, 355.211



37, 65.633, 18.770



6, 25.407, 6.420

Previews

White Background



This preview shows how the CIE LCh color 41, 108.761, 316.531 looks on a white background.

Color Contrast Check

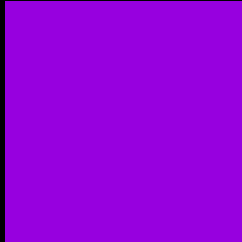
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.761, 316.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

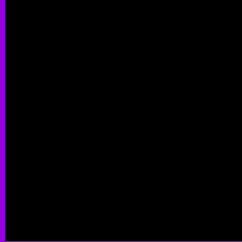
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 108.761, 316.531

Background



This preview shows how black text looks on a background with the CIELCh color 41, 108.761, 316.531.



This preview shows how white text looks on a background with the CIELCh color 41, 108.761, 316.531.

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, 108.761, 316.531

Protanopia

42, 63.556, 286.684

Deuteranopia

42, 45.337, 274.263



Tritanopia
42, 18.265, 8.923

Trichromacy



Original Color
41, 108.761, 316.531



Protanomaly
35, 89.511, 301.637



Deuteranomaly
34, 77.834, 299.893



Tritanomaly
38, 56.622, 325.608

Monochromacy



Original Color
41, 108.761, 316.531



Achromatopsia
30, 0.005, 296.813



Achromatomaly
30, 52.846, 317.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 108.761, 316.531 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(151, 0, 223)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 223)  
}
```

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(151, 0, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 108.761, 316.531 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(151, 0, 223) }
```

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

```
.border{ border-color:rgb(151, 0, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 0, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 223);  
box-shadow:4px 4px 4px 4px rgb(151, 0,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 108.761, 316.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 223) }
```

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

```
.background{ background-color: rgb(151, 0,  
223) }
```

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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