

Converting Colors

CIELCh(53, 117.279, 321.770)

Have a look what the booklet for
CIELCh(53, 117.279, 321.770)
contains.

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Color

CIELCh(53, 116.908, 321.822)

Conversions

Conversions Part 1

Format	Color
Hex	D400FE
RGB	212, 0, 254
RGB Percent	83%, 0%, 100%
CMY	0.1700, 1.0000, 0.0053
CMYK	0.17, 1.00, 0.00, 0.01
HSL	290°, 100%, 50%
HSV	290°, 100%, 99%
XYZ	44.8673, 21.0462, 95.1741
YIQ	92.3440, 44.8180, 123.9380

Conversions

Conversions Part 2

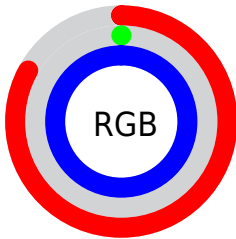
Format	Color
RYB	212, 0, 254
Decimal	13893886
CIELab	53.00, 91.90, -72.26
CIELCh	53, 116.908, 321.822
Yxy	21.0462, 0.2785, 0.1307
Android (android.graphics.Color)	4292083966 (0xFFD400FE)
YUV	92.3440, 79.6964, 104.9383
Hunter-Lab	45.8761, 94.2917, -90.8891

Details

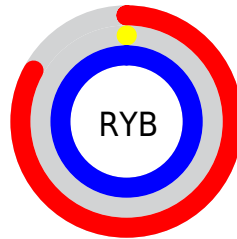
The CIELCh color **53, 116.908, 321.822** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 117.947, 135.179**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 92.240, 327.524**, and **39, 97.060, 319.648** is the 20% darker color. If you saturate the color by 10%, you get **53, 116.792, 321.813**, and if you desaturate by 10%, it is **54, 114.025, 322.224**.

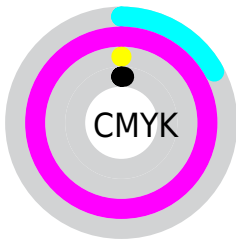
Distribution



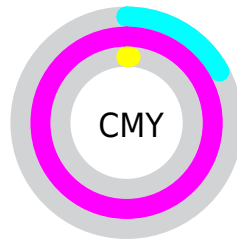
- Red (83%)
- Green (0%)
- Blue (100%)



- Red (83%)
- Yellow (0%)
- Blue (100%)



- Cyan (17%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (17%)
- Magenta (100%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 116.908, 321.822 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 53, 116.908, 321.822 by changing the saturation by 10% instead.


 53, 116.908,
321.822


 53, 116.908,
321.822


 100, 116.908,
321.822


 43, 116.908,
321.822


 73, 116.908,
321.822


 33, 116.908,
321.822


 83, 116.908,
321.822

 23, 116.908,
321.822

 93, 116.908,
321.822

 13, 116.908,
321.822

 3, 116.908,
321.822

 0, 116.908,
321.822

■ 53, 116.908,
321.822

■ 53, 116.908,
321.822

■ 53, 116.792,
321.813

■ 54, 114.025,
322.224

■ 57, 108.400,
322.439

■ 60, 99.707,
322.450

■ 64, 88.427,
322.292

■ 69, 75.243,
322.006

■ 75, 60.829,
321.632

■ 80, 45.744,
321.202

■ 87, 30.404,

320.743

■ 93, 15.098,
320.271

Harmonies

Complementary

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



53, 116.908, 321.822



88, 117.947, 135.179

Rectangle

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



53, 116.908, 321.822



53, 116.908, 11.822



53, 116.908, 141.822



53, 116.908, 191.822

Sweetspot

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



53, 116.792, 321.813



81, 45.940, 321.202



36, 122.341, 303.872



40, 31.332, 321.388



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 116.792, 321.813



53, 117.262, 321.811



56, 89.751, 347.927



50, 8.617, 320.247



40, 94.412, 321.915



10, 43.326, 322.641

Inverse Universe

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



53, 95.723, 32.992



53, 96.122, 33.007



88, 104.090, 141.782



50, 5.370, 6.717



40, 76.677, 32.051



10, 32.188, 20.351

Previews

White Background



This preview shows how the CIELCh color 53, 116.908, 321.822 looks on a white background.

Color Contrast Check

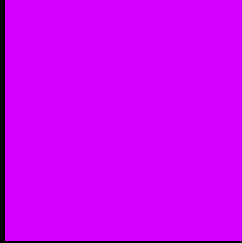
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 53, 116.908, 321.822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

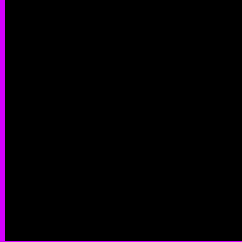
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 116.908, 321.822

Background



This preview shows how black text looks on a background with the CIELCh color 53, 116.908, 321.822.



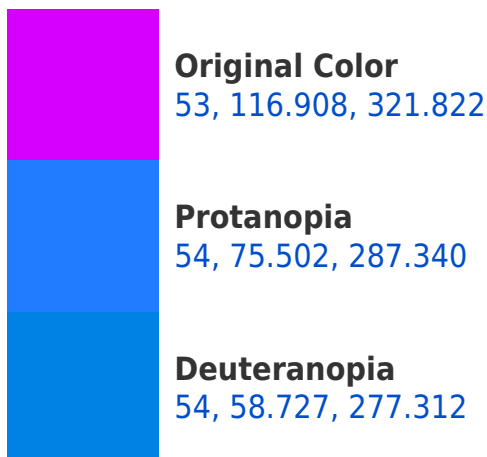
This preview shows how white text looks on a background with the CIELCh color 53, 116.908, 321.822.

321.822.

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





Tritanopia
53, 40.079, 19.249

Trichromacy



Original Color

53, 116.908, 321.822



Protanomaly

46, 101.523, 303.585



Deuteranomaly

44, 90.976, 300.244



Tritanomaly

50, 67.435, 339.396

Monochromacy



Original Color

53, 116.908, 321.822



Achromatopsia

39, 0.006, 296.813



Achromatomaly

39, 59.079, 322.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 116.908, 321.822 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(212, 0, 254)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 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(212, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 116.908, 321.822 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(212, 0, 254) }
```

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

```
.border{ border-color:rgb(212, 0, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 116.908, 321.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 254) }
```

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

```
.background{ background-color: rgb(212, 0,  
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](#).

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