

Converting Colors

CIELCh(53, 116.251, 321.386)

Have a look what the booklet for
CIELCh(53, 116.251, 321.386)
contains.

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Color

CIELCh(53, 116.157, 321.458)

Conversions

Conversions Part 1

Format	Color
Hex	D20AFE
RGB	210, 10, 254
RGB Percent	82%, 4%, 100%
CMY	0.1771, 0.9595, 0.0046
CMYK	0.17, 0.96, 0.00, 0.00
HSL	289°, 99%, 52%
HSV	289°, 96%, 100%
XYZ	44.5058, 21.0462, 95.3450
YIQ	97.6160, 40.8760, 118.2840

Conversions

Conversions Part 2

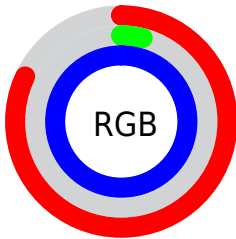
Format	Color
R _Y B	210, 10, 254
Decimal	13765374
CIE Lab	53.00, 90.85, -72.38
CIE LCh	53, 116.157, 321.458
Yxy	21.0462, 0.2766, 0.1308
Android (android.graphics.Color)	4291955454 (0xFFD20AFE)
YUV	97.6160, 77.0973, 98.5608
Hunter-Lab	45.8761, 92.8852, -91.1100

Details

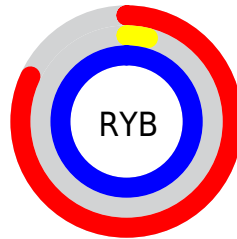
The CIELCh color **53, 116.157, 321.458** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 116.570, 134.888**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.792, 327.510**, and **39, 97.220, 319.301** is the 20% darker color. If you saturate the color by 10%, you get **52, 117.098, 321.262**, and if you desaturate by 10%, it is **55, 112.311, 321.832**.

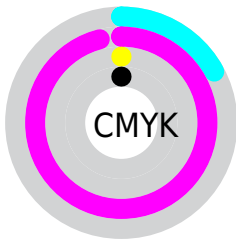
Distribution



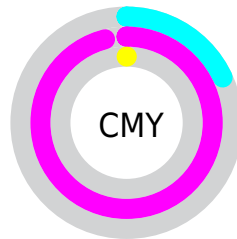
- Red (82%)
- Green (4%)
- Blue (100%)



- Red (82%)
- Yellow (4%)
- Blue (100%)



- Cyan (17%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (96%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 116.157, 321.458 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, 116.157, 321.458 by changing the saturation by 10% instead.


 53, 116.157,
321.458


 53, 116.157,
321.458


 100, 116.157,
321.458


 43, 116.157,
321.458


 73, 116.157,
321.458


 33, 116.157,
321.458


 83, 116.157,
321.458

 23, 116.157,
321.458

 93, 116.157,
321.458

 13, 116.157,
321.458

 3, 116.157,
321.458

 0, 116.157,
321.458

■ 53, 116.157,
321.458

■ 53, 116.157,
321.458

■ 52, 117.098,
321.262

■ 55, 112.311,
321.832

■ 58, 105.297,
321.980

■ 61, 95.374,
321.928

■ 66, 83.158,
321.720

■ 71, 69.355,
321.397

■ 77, 54.600,
321.000

■ 83, 39.389,
320.560

■ 89, 24.074,

320.099

 96, 8.891, 319.624

Harmonies

Complementary

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



53, 116.157, 321.458



88, 116.570, 134.888

Rectangle

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



53, 116.157, 321.458



53, 116.157, 11.458



53, 116.157, 141.458



53, 116.157, 191.458

Sweetspot

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



53, 116.155, 321.458



81, 44.246, 320.698



38, 116.379, 302.510



41, 30.365, 320.886



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, 116.155, 321.458



53, 117.506, 321.260



57, 90.712, 345.715



50, 8.580, 319.797



39, 94.603, 321.372



10, 43.397, 322.156

Inverse Universe

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



54, 92.205, 29.904



53, 95.145, 31.993



88, 103.068, 142.038



50, 5.394, 5.555



40, 75.909, 31.005



10, 32.098, 19.668

Previews

White Background



This preview shows how the CIE LCh color 53, 116.157, 321.458 looks on a white background.

Color Contrast Check

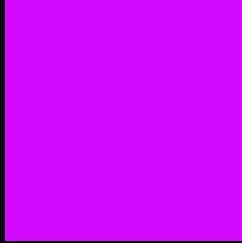
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.157, 321.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

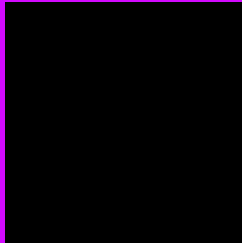
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 116.157, 321.458

Background



This preview shows how black text looks on a background with the CIELCh color 53, 116.157, 321.458.



This preview shows how white text looks on a background with the CIELCh color 53, 116.157, 321.458.

321.458.

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

53, 116.238, 321.465

Protanopia

54, 76.132, 287.550

Deuteranopia

54, 58.219, 276.990



Tritanopia
53, 38.750, 18.832

Trichromacy



Original Color
53, 116.238, 321.465



Protanomaly
47, 99.922, 302.815



Deuteranomaly
45, 88.631, 299.461



Tritanomaly
50, 65.398, 339.024

Monochromacy



Original Color
53, 116.238, 321.465



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 57.208, 321.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 116.157, 321.458 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(210, 10, 254)` looks like.

```
.text, #text, p{  
    color:rgb(210, 10, 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(210, 10, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 10, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 116.157, 321.458 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(210, 10, 254) }
```

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

```
.border{ border-color:rgb(210, 10, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 10, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 10, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 10, 254);  
box-shadow:4px 4px 4px 4px rgb(210, 10,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 116.157, 321.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 10, 254) }
```

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

```
.background{ background-color: rgb(210, 10,  
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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