

Converting Colors

CIELCh(54, 117.178, 322.008)

Have a look what the booklet for
CIELCh(54, 117.178, 322.008)
contains.

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Color

CIELCh(54, 116.603, 322.242)

Conversions

Conversions Part 1

Format	Color
Hex	D806FF
RGB	216, 6, 255
RGB Percent	85%, 2%, 100%
CMY	0.1526, 0.9750, 0.0000
CMYK	0.15, 0.98, 0.00, 0.00
HSL	291°, 100%, 51%
HSV	291°, 98%, 100%
XYZ	46.4753, 21.9746, 96.4666
YIQ	97.1760, 45.2310, 121.9590

Conversions

Conversions Part 2

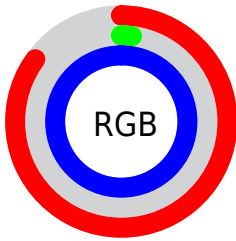
Format	Color
R _Y B	216, 6, 255
Decimal	14157567
CIE Lab	54.00, 92.19, -71.40
CIE LCh	54, 116.603, 322.242
Yxy	21.9746, 0.2818, 0.1332
Android (android.graphics.Color)	4292347647 (0xFFD806FF)
YUV	97.1760, 77.8072, 104.2086
Hunter-Lab	46.8770, 94.9356, -89.1969

Details

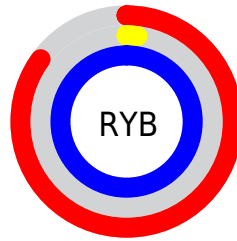
The CIELCh color **54, 116.603, 322.242** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 117.849, 135.202**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **40, 97.181, 320.212** is the 20% darker color. If you saturate the color by 10%, you get **54, 117.121, 322.146**, and if you desaturate by 10%, it is **56, 113.303, 322.607**.

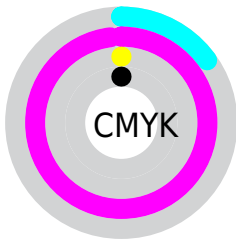
Distribution



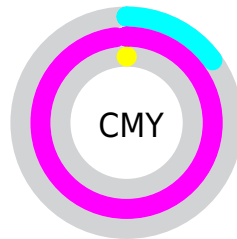
- Red (85%)
- Green (2%)
- Blue (100%)



- Red (85%)
- Yellow (2%)
- Blue (100%)



- Cyan (15%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (98%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 116.603, 322.242 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 54, 116.603, 322.242 by changing the saturation by 10% instead.


 54, 116.603,
322.242


 54, 116.603,
322.242


 100, 116.603,
322.242


 44, 116.603,
322.242


 74, 116.603,
322.242


 34, 116.603,
322.242


 84, 116.603,
322.242

 24, 116.603,
322.242

 94, 116.603,
322.242

 14, 116.603,
322.242

 4, 116.603,
322.242

 0, 116.603,
322.242

■ 54, 116.603,
322.242

■ 54, 116.603,
322.242

■ 54, 117.121,
322.146

■ 56, 113.303,
322.607

■ 58, 106.928,
322.756

■ 62, 97.556,
322.713

■ 66, 85.732,
322.515

■ 71, 72.148,
322.200

■ 76, 57.460,
321.807

■ 82, 42.198,
321.365

■ 89, 26.750,

320.899

95, 11.383,
320.418

Harmonies

Complementary

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



54, 116.603, 322.242



88, 117.849, 135.202

Rectangle

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



54, 116.603, 322.242



54, 116.603, 12.242



54, 116.603, 142.242



54, 116.603, 192.242

Sweetspot

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



54, 116.569, 322.252



82, 44.502, 321.433



37, 120.437, 303.375



41, 30.530, 321.624



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 116.569, 322.252



54, 117.121, 322.146



56, 90.112, 347.342



50, 8.640, 320.516



40, 94.302, 322.245



10, 43.285, 322.936

Inverse Universe

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



54, 95.056, 32.417



53, 96.711, 33.591



88, 103.071, 142.267



50, 5.356, 7.424



40, 77.144, 32.657



10, 32.241, 20.742

Previews

White Background



This preview shows how the CIE LCh color 54, 116.603, 322.242 looks on a white background.

Color Contrast Check

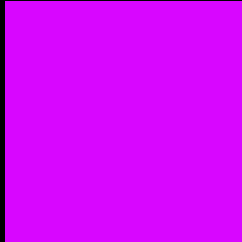
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 116.603, 322.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

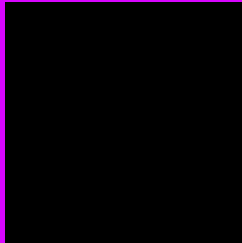
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 116.603, 322.242

Background



This preview shows how black text looks on a background with the CIELCh color 54, 116.603, 322.242.



This preview shows how white text looks on a background with the CIELCh color 54, 116.603, 322.242.

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

54, 116.603, 322.242

Protanopia

55, 74.171, 287.268

Deuteranopia

54, 59.696, 277.507



Tritanopia
54, 41.287, 19.554

Trichromacy



Original Color
54, 116.603, 322.242



Protanomaly
47, 99.569, 303.972



Deuteranomaly
45, 90.697, 299.954



Tritanomaly
51, 67.087, 340.340

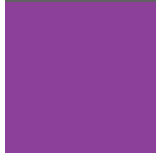
Monochromacy



Original Color
54, 116.603, 322.242



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 57.958, 322.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 116.603, 322.242 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(216, 6, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 6, 255)  
}
```

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(216, 6, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 6, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 116.603, 322.242 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(216, 6, 255) }
```

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

```
.border{ border-color:rgb(216, 6, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 6, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 6, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 6, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 6,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 116.603, 322.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 6, 255) }
```

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

```
.background{ background-color: rgb(216, 6,  
255) }
```

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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