

Converting Colors

CIELCh(53, 103.122, 319.936)

Have a look what the booklet for
CIELCh(53, 103.122, 319.936)
contains.

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Color

CIELCh(53, 103.122, 319.936)

Conversions

Conversions Part 1

Format	Color
Hex	C537F3
RGB	197, 55, 243
RGB Percent	77%, 22%, 95%
CMY	0.2278, 0.7847, 0.0474
CMYK	0.19, 0.77, 0.00, 0.05
HSL	285°, 89%, 58%
HSV	285°, 77%, 95%
XYZ	40.5280, 21.0462, 86.6508
YIQ	118.8900, 24.2840, 88.5720

Conversions

Conversions Part 2

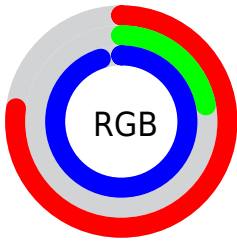
Format	Color
RYB	197, 55, 243
Decimal	12924915
CIELab	53.00, 78.92, -66.37
CIElCh	53, 103.122, 319.936
Yxy	21.0462, 0.2734, 0.1420
Android (android.graphics.Color)	4291114995 (0xFFC537F3)
YUV	118.8900, 61.1862, 68.5025
Hunter-Lab	45.8761, 77.4076, -79.8736

Details

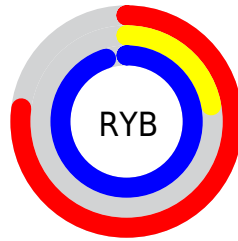
The CIELCh color **53, 103.122, 319.936** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **86, 100.434, 133.506**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 83.151, 327.238**, and **36, 93.772, 318.718** is the 20% darker color. If you saturate the color by 10%, you get **50, 109.950, 319.694**, and if you desaturate by 10%, it is **57, 93.457, 319.942**.

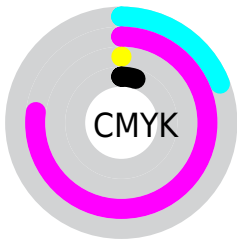
Distribution



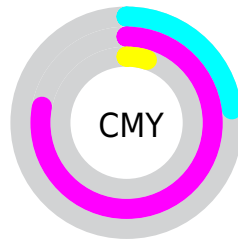
- Red (77%)
- Green (22%)
- Blue (95%)



- Red (77%)
- Yellow (22%)
- Blue (95%)



- Cyan (19%)
- Magenta (77%)
- Yellow (0%)
- Black (5%)





- Cyan (23%)
- Magenta (78%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 103.122, 319.936 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, 103.122, 319.936 by changing the saturation by 10% instead.


 53, 103.122,
319.936


 53, 103.122,
319.936


 100, 103.122,
319.936


 43, 103.122,
319.936


 73, 103.122,
319.936


 33, 103.122,
319.936


 83, 103.122,
319.936

 23, 103.122,
319.936

 93, 103.122,
319.936

 13, 103.122,
319.936

 3, 103.122,
319.936

 0, 103.122,
319.936

53, 103.122,
319.936

53, 103.122,
319.936

50, 109.950,
319.694

57, 93.457,
319.942

48, 113.688,
319.183

61, 81.609,
319.766

48, 114.389,
319.029

67, 68.292,
319.463

72, 54.126,
319.080

78, 39.579,
318.653

85, 24.976,
318.207

91, 10.527,
317.755

98, 3.641, 137.414

Harmonies

Complementary

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



53, 103.122, 319.936



86, 100.434, 133.506

Rectangle

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



53, 103.122, 319.936



53, 103.122, 9.936



53, 103.122, 139.936



53, 103.122, 189.936

Sweetspot

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



53, 103.120, 319.936



85, 34.478, 318.460



48, 82.301, 294.041



43, 23.910, 318.621



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, 103.120, 319.936



51, 116.699, 319.427



58, 86.766, 338.598



48, 8.152, 317.851



36, 93.617, 319.165



8, 41.395, 320.264

Inverse Universe

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



55, 74.355, 15.452



54, 87.408, 23.240



85, 91.115, 143.455



48, 5.341, 0.756



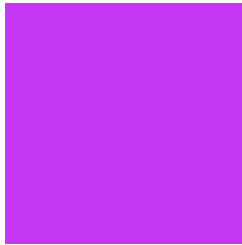
39, 71.344, 25.950



9, 29.834, 14.470

Previews

White Background



This preview shows how the CIELCh color 53, 103.122, 319.936 looks on a white background.

Color Contrast Check

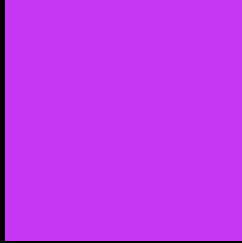
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.122, 319.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

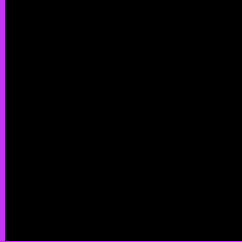
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 103.122, 319.936

Background



This preview shows how black text looks on a background with the CIELCh color 53, 103.122, 319.936.



This preview shows how white text looks on a background with the CIELCh color 53, 103.122, 319.936.

319.936.

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, 103.122, 319.936

Protanopia

53, 76.752, 287.811

Deuteranopia

53, 58.751, 277.531



Tritanopia
53, 31.227, 15.177

Trichromacy



Original Color
53, 103.122, 319.936



Protanomaly
49, 88.442, 299.024



Deuteranomaly
48, 76.531, 294.646



Tritanomaly
51, 53.207, 336.374

Monochromacy



Original Color
53, 103.122, 319.936



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 43.531, 319.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 103.122, 319.936 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(197, 55, 243)` looks like.

```
.text, #text, p{  
    color:rgb(197, 55, 243)  
}
```

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(197, 55, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 55, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 103.122, 319.936 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(197, 55, 243) }
```

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

```
.border{ border-color:rgb(197, 55, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 55, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 55, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 55, 243);  
box-shadow:4px 4px 4px 4px rgb(197, 55,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 103.122, 319.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 55, 243) }
```

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

```
.background{ background-color: rgb(197, 55,  
243) }
```

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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