

Converting Colors

CIELCh(55, 116.794, 322.992)

Have a look what the booklet for
CIELCh(55, 116.794, 322.992)
contains.

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Color

CIELCh(55, 116.356, 323.132)

Conversions

Conversions Part 1

Format	Color
Hex	DE06FF
RGB	222, 6, 255
RGB Percent	87%, 2%, 100%
CMY	0.1285, 0.9764, 0.0000
CMYK	0.13, 0.98, 0.00, 0.00
HSL	292°, 100%, 51%
HSV	292°, 98%, 100%
XYZ	48.3442, 22.9298, 96.6707
YIQ	98.9700, 48.8070, 123.2310

Conversions

Conversions Part 2

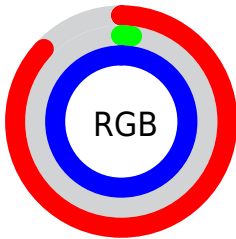
Format	Color
RYB	222, 6, 255
Decimal	14550783
CIELab	55.00, 93.09, -69.81
CIELCh	55, 116.356, 323.132
Yxy	22.9298, 0.2879, 0.1365
Android (android.graphics.Color)	4292740863 (0xFFDE06FF)
YUV	98.9700, 76.9228, 107.8973
Hunter-Lab	47.8851, 96.4122, -86.1754

Details

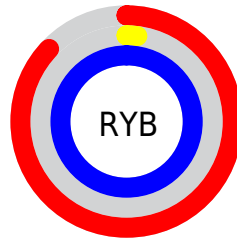
The CIELCh color **55, 116.356, 323.132** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 118.235, 135.425**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.885, 327.481**, and **41, 96.749, 321.286** is the 20% darker color. If you saturate the color by 10%, you get **55, 116.763, 323.076**, and if you desaturate by 10%, it is **56, 113.160, 323.460**.

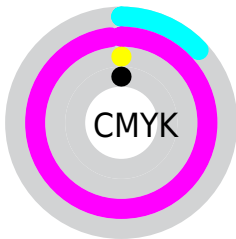
Distribution



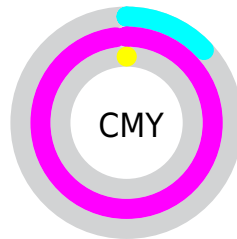
- Red (87%)
- Green (2%)
- Blue (100%)



- Red (87%)
- Yellow (2%)
- Blue (100%)



- Cyan (13%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (98%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 116.356, 323.132 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 55, 116.356, 323.132 by changing the saturation by 10% instead.


 55, 116.356,
323.132


 55, 116.356,
323.132


 100, 116.356,
323.132


 45, 116.356,
323.132


 75, 116.356,
323.132


 35, 116.356,
323.132


 85, 116.356,
323.132

 25, 116.356,
323.132

 95, 116.356,
323.132

 15, 116.356,
323.132

 5, 116.356,
323.132

 0, 116.356,
323.132

■ 55, 116.356,
323.132

■ 55, 116.356,
323.132

■ 55, 116.763,
323.076

■ 56, 113.160,
323.460

■ 59, 106.989,
323.571

■ 62, 97.812,
323.506

■ 66, 86.137,
323.293

■ 71, 72.636,
322.970

■ 77, 57.965,
322.569

■ 83, 42.665,
322.119

■ 89, 27.141,

321.644

95, 11.672,
321.153

Harmonies

Complementary

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



55, 116.356, 323.132



88, 118.235, 135.425

Rectangle

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



55, 116.356, 323.132



55, 116.356, 13.132



55, 116.356, 143.132



55, 116.356, 193.132

Sweetspot

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



55, 116.268, 323.161



82, 44.773, 322.182



35, 124.132, 304.251



41, 30.704, 322.377



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 116.268, 323.161



55, 116.763, 323.076



56, 88.465, 350.042



50, 8.703, 321.247



41, 94.022, 323.161



10, 43.180, 323.751

Inverse Universe

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



54, 96.719, 34.057



53, 98.297, 35.078



88, 100.453, 143.413



50, 5.322, 9.373



40, 78.416, 34.212



10, 32.393, 21.794

Previews

White Background



This preview shows how the CIELCh color 55, 116.356, 323.132 looks on a white background.

Color Contrast Check

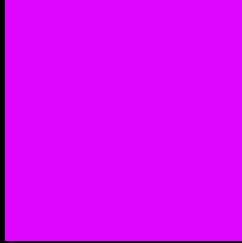
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 116.356, 323.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

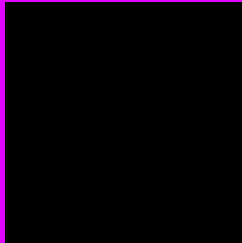
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 116.356, 323.132

Background



This preview shows how black text looks on a background with the CIELCh color 55, 116.356, 323.132.



This preview shows how white text looks on a background with the CIELCh color 55, 116.356, 323.132.

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

55, 116.281, 323.127

Protanopia

56, 72.236, 286.932

Deuteranopia

56, 61.144, 277.787



Tritanopia
55, 44.231, 20.332

Trichromacy



Original Color
55, 116.281, 323.127



Protanomaly
49, 98.160, 304.712



Deuteranomaly
46, 91.558, 299.919



Tritanomaly
52, 68.228, 342.333

Monochromacy



Original Color
55, 116.281, 323.127



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 58.631, 323.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 116.356, 323.132 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(222, 6, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 6, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 6, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 116.356, 323.132 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(222, 6, 255) }
```

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

```
.border{ border-color:rgb(222, 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(222, 6, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 6, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 6, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 6,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 116.356, 323.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 6, 255) }
```

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

```
.background{ background-color: rgb(222, 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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