

Converting Colors

CIELCh(55, 116.738, 323.069)

Have a look what the booklet for
CIELCh(55, 116.738, 323.069)
contains.

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Color

CIELCh(55, 116.432, 323.138)

Conversions

Conversions Part 1

Format	Color
Hex	DE05FF
RGB	222, 5, 255
RGB Percent	87%, 2%, 100%
CMY	0.1282, 0.9792, 0.0000
CMYK	0.13, 0.98, 0.00, 0.00
HSL	292°, 100%, 51%
HSV	292°, 98%, 100%
XYZ	48.3689, 22.9298, 96.7248
YIQ	98.3830, 49.0820, 123.7540

Conversions

Conversions Part 2

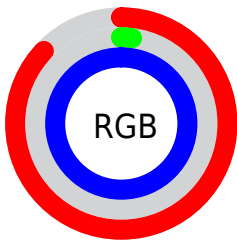
Format	Color
R_{YB}	222, 5, 255
Decimal	14550527
CIE _{Lab}	55.00, 93.16, -69.85
CIE _{LCh}	55, 116.432, 323.138
Yxy	22.9298, 0.2879, 0.1365
Android (android.graphics.Color)	4292740607 (0xFFDE05FF)
YUV	98.3830, 77.2122, 108.4121
Hunter-Lab	47.8851, 96.5045, -86.2424

Details

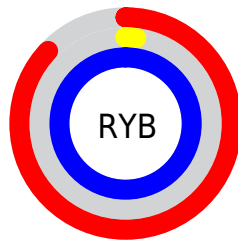
The CIELCh color **55, 116.432, 323.138** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 118.320, 135.436**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **41, 96.749, 321.286** is the 20% darker color. If you saturate the color by 10%, you get **55, 116.754, 323.101**, and if you desaturate by 10%, it is **56, 113.283, 323.477**.

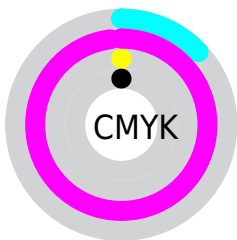
Distribution



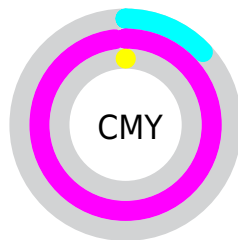
- Red (87%)
- Green (2%)
- Blue (100%)



- 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, 116.432, 323.138 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, 116.432, 323.138 by changing the saturation by 10% instead.


 55, 116.432,
323.138


 55, 116.432,
323.138


 100, 116.432,
323.138


 45, 116.432,
323.138


 75, 116.432,
323.138


 35, 116.432,
323.138


 85, 116.432,
323.138

 25, 116.432,
323.138

 95, 116.432,
323.138

 15, 116.432,
323.138

 5, 116.432,
323.138

 0, 116.432,
323.138

■ 55, 116.432,
323.138

■ 55, 116.432,
323.138

■ 55, 116.754,
323.101

■ 56, 113.283,
323.477

■ 59, 107.204,
323.592

■ 62, 98.110,
323.531

■ 66, 86.499,
323.322

■ 71, 73.042,
323.000

■ 77, 58.396,
322.601

■ 82, 43.107,
322.152

■ 89, 27.583,

321.677

■ 95, 12.106,
321.187

Harmonies

Complementary

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



55, 116.432, 323.138



88, 118.320, 135.436

Rectangle

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



55, 116.432, 323.138



55, 116.432, 13.138



55, 116.432, 143.138



55, 116.432, 193.138

Sweetspot

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



55, 116.318, 323.175



82, 44.780, 322.202



35, 124.386, 304.301



41, 30.709, 322.397



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, 116.318, 323.175



55, 116.754, 323.101



56, 88.465, 350.119



50, 8.704, 321.266



41, 94.015, 323.185



10, 43.177, 323.773

Inverse Universe

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



54, 96.950, 34.224



53, 98.339, 35.115



88, 100.617, 143.354



50, 5.322, 9.425



40, 78.449, 34.251



10, 32.397, 21.822

Previews

White Background



This preview shows how the CIELCh color 55, 116.432, 323.138 looks on a white background.

Color Contrast Check

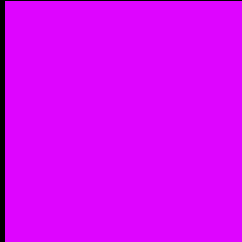
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.432, 323.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

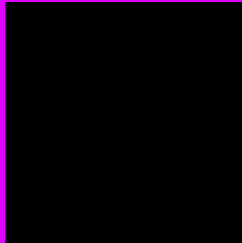
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 116.432, 323.138

Background



This preview shows how black text looks on a background with the CIELCh color 55, 116.432, 323.138.



This preview shows how white text looks on a background with the CIELCh color 55, 116.432, 323.138.

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, 116.356, 323.132

Protanopia

56, 72.236, 286.932

Deuteranopia

56, 61.144, 277.787



Tritanopia
55, 44.231, 20.332

Trichromacy



Original Color
55, 116.356, 323.132



Protanomaly
49, 98.160, 304.712



Deuteranomaly
46, 91.558, 299.919



Tritanomaly
52, 68.228, 342.333

Monochromacy



Original Color
55, 116.356, 323.132



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, 116.432, 323.138 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, 5, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 5, 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, 5, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 5, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 116.432, 323.138 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, 5, 255) }
```

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

```
.border{ border-color:rgb(222, 5, 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, 5, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 5, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 5, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 5,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 116.432, 323.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 5, 255) }
```

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

```
.background{ background-color: rgb(222, 5,  
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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