

Converting Colors

CIELCh(55, 115.243, 323.255)

Have a look what the booklet for
CIELCh(55, 115.243, 323.255)
contains.

CIELCh(55, 115.342, 323.219)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(55, 115.342, 323.219)

Conversions

Conversions Part 1

Format	Color
Hex	DE0CFE
RGB	222, 12, 254
RGB Percent	87%, 5%, 100%
CMY	0.1299, 0.9510, 0.0044
CMYK	0.13, 0.95, 0.00, 0.00
HSL	292°, 99%, 52%
HSV	292°, 95%, 100%
XYZ	48.0880, 22.9298, 95.5458
YIQ	102.3780, 47.4780, 119.7820

Conversions

Conversions Part 2

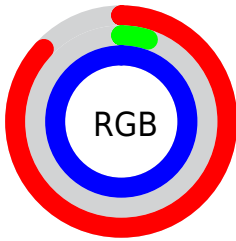
Format	Color
R _Y B	222, 12, 254
Decimal	14552318
CIE Lab	55.00, 92.38, -69.06
CIE LCh	55, 115.342, 323.219
Yxy	22.9298, 0.2887, 0.1377
Android (android.graphics.Color)	4292742398 (0xFFDE0CFE)
YUV	102.3780, 74.7496, 104.9085
Hunter-Lab	47.8851, 95.4573, -84.7825

Details

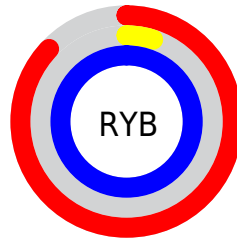
The CIELCh color **55, 115.342, 323.219** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 117.090, 135.358**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.426, 327.467**, and **41, 96.326, 321.438** is the 20% darker color. If you saturate the color by 10%, you get **54, 116.383, 323.041**, and if you desaturate by 10%, it is **57, 111.502, 323.474**.

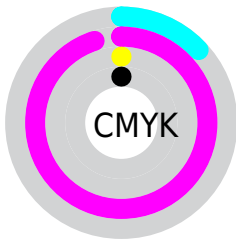
Distribution



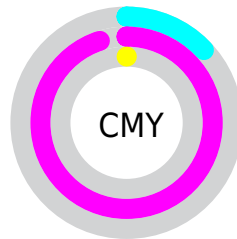
- Red (87%)
- Green (5%)
- Blue (100%)



- Red (87%)
- Yellow (5%)
- Blue (100%)



- Cyan (13%)
- Magenta (95%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (95%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 115.342, 323.219 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, 115.342, 323.219 by changing the saturation by 10% instead.


 55, 115.342,
323.219


 55, 115.342,
323.219


 100, 115.342,
323.219


 45, 115.342,
323.219


 75, 115.342,
323.219


 35, 115.342,
323.219


 85, 115.342,
323.219

 25, 115.342,
323.219

 95, 115.342,
323.219

 15, 115.342,
323.219

 5, 115.342,
323.219

 0, 115.342,
323.219

■ 55, 115.342,
323.219

■ 55, 115.342,
323.219

■ 54, 116.383,
323.041

■ 57, 111.502,
323.474

■ 59, 104.546,
323.539

■ 63, 94.697,
323.434

■ 67, 82.526,
323.190

■ 72, 68.714,
322.844

■ 78, 53.890,
322.428

■ 84, 38.557,
321.971

■ 90, 23.083,

321.492

 96, 7.720, 320.992

Harmonies

Complementary

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



55, 115.342, 323.219



88, 117.090, 135.358

Rectangle

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



55, 115.342, 323.219



55, 115.342, 13.219



55, 115.342, 143.219



55, 115.342, 193.219

Sweetspot

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



55, 115.340, 323.219



82, 44.763, 322.154



36, 121.255, 303.753



41, 30.697, 322.348



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, 115.340, 323.219



55, 116.776, 323.040



56, 88.160, 349.343



50, 8.700, 321.219



41, 94.032, 323.126



10, 43.184, 323.720

Inverse Universe

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



53, 94.584, 32.772



53, 98.238, 35.024



88, 98.592, 143.964



50, 5.324, 9.298



40, 78.368, 34.155



10, 32.387, 21.754

Previews

White Background



This preview shows how the CIELCh color 55, 115.342, 323.219 looks on a white background.

Color Contrast Check

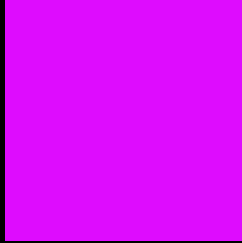
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.342, 323.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

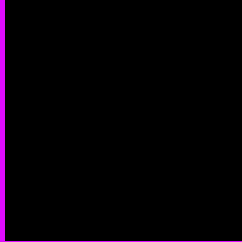
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 115.342, 323.219

Background



This preview shows how black text looks on a background with the CIELCh color 55, 115.342, 323.219.



This preview shows how white text looks on a background with the CIELCh color 55, 115.342, 323.219.

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, 115.428, 323.225

Protanopia

56, 72.828, 287.299

Deuteranopia

56, 61.108, 277.916



Tritanopia
55, 44.231, 20.332

Trichromacy



Original Color
55, 115.428, 323.225



Protanomaly
49, 97.030, 304.410



Deuteranomaly
47, 89.735, 299.765



Tritanomaly
52, 67.115, 342.869

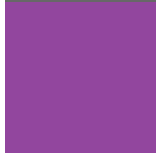
Monochromacy



Original Color
55, 115.428, 323.225



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 56.857, 323.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 115.342, 323.219 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, 12, 254)` looks like.

```
.text, #text, p{  
    color:rgb(222, 12, 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(222, 12, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 12, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 115.342, 323.219 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, 12, 254) }
```

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

```
.border{ border-color:rgb(222, 12, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 12, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 12, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 12, 254);  
box-shadow:4px 4px 4px 4px rgb(222, 12,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 115.342, 323.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 12, 254) }
```

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

```
.background{ background-color: rgb(222, 12,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor