

Converting Colors

CIELCh(57, 116.014, 325.611)

Have a look what the booklet for
CIELCh(57, 116.014, 325.611)
contains.

CIELCh(57, 115.679, 325.567)	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(57, 115.679, 325.567)

Conversions

Conversions Part 1

Format	Color
Hex	EC00FD
RGB	236, 0, 253
RGB Percent	93%, 0%, 99%
CMY	0.0734, 1.0000, 0.0066
CMYK	0.07, 1.00, 0.00, 0.01
HSL	296°, 100%, 50%
HSV	296°, 100%, 99%
XYZ	52.4311, 24.9227, 95.2409
YIQ	99.4060, 59.4430, 128.7150

Conversions

Conversions Part 2

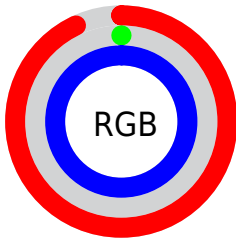
Format	Color
R _Y B	236, 0, 253
Decimal	15466749
CIE Lab	57.00, 95.41, -65.41
CIE LCh	57, 115.679, 325.567
Yxy	24.9227, 0.3038, 0.1444
Android (android.graphics.Color)	4293656829 (0xFFEC00FD)
YUV	99.4060, 75.7218, 119.7929
Hunter-Lab	49.9226, 100.1047, -78.1658

Details

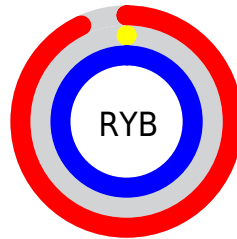
The CIELCh color **57, 115.679, 325.567** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **87, 118.845, 135.812**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.426, 327.467**, and **43, 95.103, 324.245** is the 20% darker color. If you saturate the color by 10%, you get **57, 115.447, 325.555**, and if you desaturate by 10%, it is **58, 113.106, 325.704**.

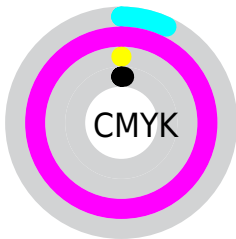
Distribution



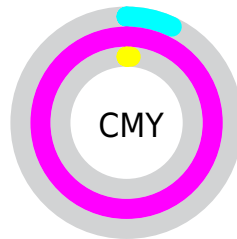
- Red (93%)
- Green (0%)
- Blue (99%)



- Red (93%)
- Yellow (0%)
- Blue (99%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (7%)
- Magenta (100%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 115.679, 325.567 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 57, 115.679, 325.567 by changing the saturation by 10% instead.


 57, 115.679,
325.567


 57, 115.679,
325.567


 100, 115.679,
325.567


 47, 115.679,
325.567


 77, 115.679,
325.567


 37, 115.679,
325.567


 87, 115.679,
325.567

 27, 115.679,
325.567

 97, 115.679,
325.567

 17, 115.679,
325.567

 7, 115.679,
325.567

 0, 115.679,
325.567

■ 57, 115.679,
325.567

■ 57, 115.679,
325.567

■ 57, 115.447,
325.555

■ 58, 113.106,
325.704

■ 60, 108.063,
325.726

■ 63, 99.989,
325.610

■ 66, 89.221,
325.369

■ 71, 76.346,
325.026

■ 76, 62.014,
324.607

■ 81, 46.811,
324.137

■ 87, 31.202,

323.636

93, 15.525,
323.117

Harmonies

Complementary

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



57, 115.679, 325.567



87, 118.845, 135.812

Rectangle

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



57, 115.679, 325.567



57, 115.679, 15.567



57, 115.679, 145.567



57, 115.679, 195.567

Sweetspot

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



57, 115.447, 325.555



82, 47.063, 324.137



33, 129.380, 305.495



41, 32.051, 324.341



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 115.447, 325.555



57, 116.028, 325.554



55, 86.072, 355.064



50, 8.871, 323.091



43, 93.445, 325.599



11, 42.963, 325.912

Inverse Universe

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



53, 101.383, 38.056



53, 101.909, 38.068



88, 97.034, 144.868



50, 5.266, 14.509



40, 81.443, 37.452



10, 32.834, 24.467

Previews

White Background



This preview shows how the CIELCh color 57, 115.679, 325.567 looks on a white background.

Color Contrast Check

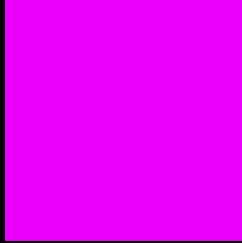
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 115.679, 325.567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

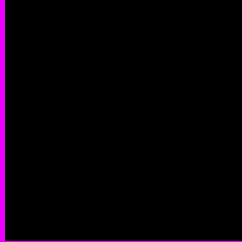
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 115.679, 325.567

Background



This preview shows how black text looks on a background with the CIELCh color 57, 115.679, 325.567.



This preview shows how white text looks on a background with the CIELCh color 57, 115.679, 325.567.

325.567.

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

57, 115.336, 325.557

Protanopia

58, 68.948, 286.874

Deuteranopia

58, 56.975, 278.766



Tritanopia
57, 51.365, 22.057

Trichromacy



Original Color
57, 115.336, 325.557



Protanomaly
50, 96.629, 306.655



Deuteranomaly
49, 89.416, 305.110



Tritanomaly
54, 71.763, 346.560

Monochromacy



Original Color
57, 115.336, 325.557



Achromatopsia
42, 0.006, 296.813



Achromatomaly
42, 59.670, 325.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 115.679, 325.567 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(236, 0, 253)` looks like.

```
.text, #text, p{  
    color:rgb(236, 0, 253)  
}
```

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(236, 0, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 115.679, 325.567 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(236, 0, 253) }
```

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

```
.border{ border-color:rgb(236, 0, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 0, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(236, 0,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 115.679, 325.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 253) }
```

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

```
.background{ background-color: rgb(236, 0,  
253) }
```

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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