

Converting Colors

CIELCh(56, 116.282, 324.574)

Have a look what the booklet for
CIELCh(56, 116.282, 324.574)
contains.

CIELCh(56, 115.959, 324.494)	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(56, 115.959, 324.494)

Conversions

Conversions Part 1

Format	Color
Hex	E600FE
RGB	230, 0, 254
RGB Percent	90%, 0%, 100%
CMY	0.0988, 1.0000, 0.0047
CMYK	0.09, 1.00, 0.00, 0.00
HSL	294°, 100%, 50%
HSV	294°, 100%, 100%
XYZ	50.4153, 23.9124, 95.5604
YIQ	97.7260, 55.5460, 127.7540

Conversions

Conversions Part 2

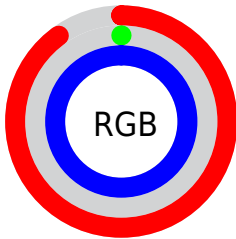
Format	Color
R_{YB}	230, 0, 254
Decimal	15073534
CIE _{Lab}	56.00, 94.40, -67.35
CIE _{LCh}	56, 115.959, 324.494
Yxy	23.9124, 0.2968, 0.1408
Android (android.graphics.Color)	4293263614 (0xFFE600FE)
YUV	97.7260, 77.0431, 116.0043
Hunter-Lab	48.9003, 98.4546, -81.6336

Details

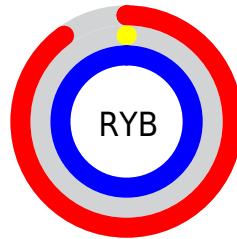
The CIELCh color **56, 115.959, 324.494** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **87, 118.812, 135.686**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.885, 327.481**, and **42, 95.828, 322.925** is the 20% darker color. If you saturate the color by 10%, you get **56, 115.892, 324.490**, and if you desaturate by 10%, it is **57, 113.447, 324.719**.

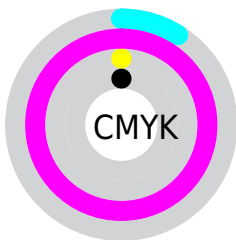
Distribution



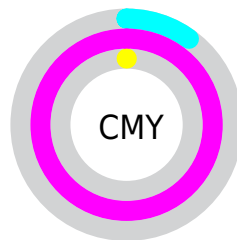
- Red (90%)
- Green (0%)
- Blue (100%)



- Red (90%)
- Yellow (0%)
- Blue (100%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 115.959, 324.494 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 56, 115.959, 324.494 by changing the saturation by 10% instead.


 56, 115.959,
324.494


 56, 115.959,
324.494


 100, 115.959,
324.494


 46, 115.959,
324.494


 76, 115.959,
324.494


 36, 115.959,
324.494


 86, 115.959,
324.494

 26, 115.959,
324.494

 96, 115.959,
324.494

 16, 115.959,
324.494

 6, 115.959,
324.494

 0, 115.959,
324.494

■ 56, 115.959,
324.494

■ 56, 115.959,
324.494

■ 56, 115.892,
324.490

■ 57, 113.447,
324.719

■ 59, 108.251,
324.801

■ 62, 100.006,
324.726

■ 66, 89.090,
324.513

■ 70, 76.118,
324.191

■ 75, 61.748,
323.788

■ 81, 46.562,
323.332

■ 87, 31.012,

322.845

■ 93, 15.422,
322.341

Harmonies

Complementary

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



56, 115.959, 324.494



87, 118.812, 135.686

Rectangle

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



56, 115.959, 324.494



56, 115.959, 14.494



56, 115.959, 144.494



56, 115.959, 194.494

Sweetspot

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



56, 115.892, 324.490



81, 46.739, 323.332



34, 128.444, 305.251



41, 31.844, 323.529



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 115.892, 324.490



56, 116.306, 324.489



55, 86.787, 353.574



50, 8.799, 322.315



42, 93.663, 324.552



11, 43.046, 324.985

Inverse Universe

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



53, 100.130, 36.948



53, 100.499, 36.958



88, 98.631, 144.194



50, 5.285, 12.313



40, 80.232, 36.224



10, 32.638, 23.340

Previews

White Background



This preview shows how the CIE LCh color 56, 115.959, 324.494 looks on a white background.

Color Contrast Check

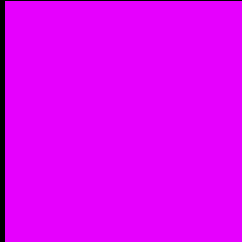
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 115.959, 324.494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

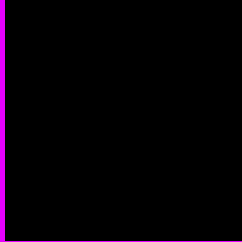
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 115.959, 324.494

Background



This preview shows how black text looks on a background with the CIELCh color 56, 115.959, 324.494.



This preview shows how white text looks on a background with the CIELCh color 56, 115.959, 324.494.

324.494.

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

56, 115.959, 324.494

Protanopia

57, 70.285, 286.748

Deuteranopia

57, 59.509, 278.904



Tritanopia
56, 48.107, 21.904

Trichromacy



Original Color

56, 115.959, 324.494



Protanomaly

49, 97.888, 305.839



Deuteranomaly

48, 90.856, 303.736



Tritanomaly

53, 70.129, 344.782

Monochromacy



Original Color

56, 115.959, 324.494



Achromatopsia

42, 0.006, 296.813



Achromatomaly

41, 59.987, 324.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 115.959, 324.494 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(230, 0, 254)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 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(230, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 115.959, 324.494 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(230, 0, 254) }
```

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

```
.border{ border-color:rgb(230, 0, 254) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 115.959, 324.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 254) }
```

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

```
.background{ background-color: rgb(230, 0,  
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