

Converting Colors

CIELCh(55, 108.541, 327.879)

Have a look what the booklet for
CIELCh(55, 108.541, 327.879)
contains.

CIELCh(55, 108.330, 327.890)	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, 108.330, 327.890)

Conversions

Conversions Part 1

Format	Color
Hex	E700EA
RGB	231, 0, 234
RGB Percent	91%, 0%, 92%
CMY	0.0923, 1.0000, 0.0843
CMYK	0.01, 1.00, 0.00, 0.08
HSL	299°, 100%, 46%
HSV	299°, 100%, 92%
XYZ	47.8630, 22.9298, 79.3707
YIQ	95.7450, 62.5620, 121.7460

Conversions

Conversions Part 2

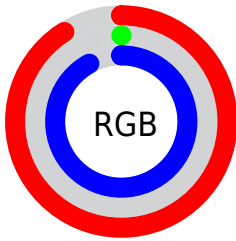
Format	Color
R_{YB}	231, 0, 234
Decimal	15139050
CIE _{Lab}	55.00, 91.76, -57.58
CIE _{LCh}	55, 108.330, 327.890
Yxy	22.9298, 0.3187, 0.1527
Android (android.graphics.Color)	4293329130 (0xFFE700EA)
YUV	95.7450, 68.1597, 118.6186
Hunter-Lab	47.8851, 94.6188, -64.7550

Details

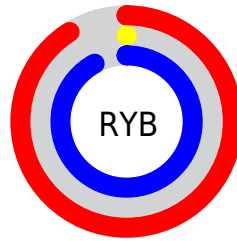
The CIELCh color **55, 108.330, 327.890** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **81, 112.017, 135.989**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **41, 88.048, 326.683** is the 20% darker color. If you saturate the color by 10%, you get **55, 108.157, 327.884**, and if you desaturate by 10%, it is **56, 106.006, 327.845**.

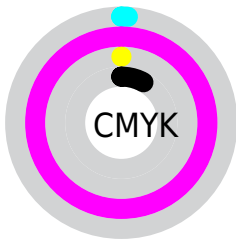
Distribution



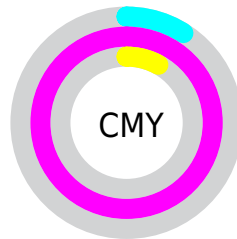
- Red (91%)
- Green (0%)
- Blue (92%)



- Red (91%)
- Yellow (0%)
- Blue (92%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (9%)
- Magenta (100%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 108.330, 327.890 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, 108.330, 327.890 by changing the saturation by 10% instead.


 55, 108.330,
327.890


 55, 108.330,
327.890


 100, 108.330,
327.890


 45, 108.330,
327.890


 75, 108.330,
327.890


 35, 108.330,
327.890


 85, 108.330,
327.890

 25, 108.330,
327.890

 95, 108.330,
327.890

 15, 108.330,
327.890

 5, 108.330,
327.890

 0, 108.330,
327.890

■ 55, 108.330,
327.890

■ 55, 108.330,
327.890

■ 55, 108.157,
327.884

■ 56, 106.006,
327.845

■ 57, 101.442,
327.722

■ 59, 94.087,
327.501

■ 63, 84.188,
327.186

■ 66, 72.238,
326.791

■ 71, 58.823,
326.331

■ 76, 44.492,
325.825

■ 81, 29.703,

325.290

■ 87, 14.796,
324.737

Harmonies

Complementary

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



55, 108.330, 327.890



81, 112.017, 135.989

Rectangle

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



55, 108.330, 327.890



55, 108.330, 17.890



55, 108.330, 147.890



55, 108.330, 197.890

Sweetspot

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



55, 108.157, 327.884



82, 47.783, 325.833



29, 124.507, 306.137



41, 32.513, 326.051



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, 108.157, 327.884



60, 115.608, 327.883



50, 79.416, 1.105



46, 8.435, 324.707



43, 89.395, 327.890



9, 38.279, 327.940

Inverse Universe

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



49, 97.472, 39.731



53, 104.228, 39.759



82, 85.394, 147.952



46, 4.904, 19.234



38, 80.452, 39.630



7, 28.497, 22.364

Previews

White Background



This preview shows how the CIE LCh color 55, 108.330, 327.890 looks on a white background.

Color Contrast Check

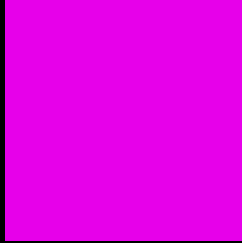
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.330, 327.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

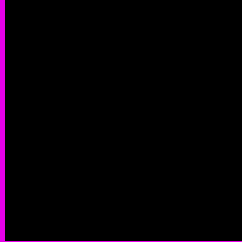
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 108.330, 327.890

Background



This preview shows how black text looks on a background with the CIELCh color 55, 108.330, 327.890.



This preview shows how white text looks on a background with the CIELCh color 55, 108.330, 327.890.

327.890.

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, 108.351, 327.718

Protanopia

56, 72.184, 287.193

Deuteranopia

56, 49.686, 279.319



Tritanopia
55, 54.044, 23.519

Trichromacy



Original Color
55, 108.351, 327.718



Protanomaly
48, 95.037, 305.724



Deuteranomaly
48, 81.185, 307.910



Tritanomaly
53, 69.763, 350.743

Monochromacy



Original Color
55, 108.351, 327.718



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 56.396, 326.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 108.330, 327.890 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(231, 0, 234)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 234)  
}
```

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(231, 0, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 108.330, 327.890 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(231, 0, 234) }
```

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

```
.border{ border-color:rgb(231, 0, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 0, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 234);  
box-shadow:4px 4px 4px 4px rgb(231, 0,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 108.330, 327.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 234) }
```

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

```
.background{ background-color: rgb(231, 0,  
234) }
```

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