

Converting Colors

CIELCh(55, 89.090, 347.394)

Have a look what the booklet for
CIELCh(55, 89.090, 347.394)
contains.

CIELCh(55, 88.937, 347.260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 88.937, 347.260)

Conversions

Conversions Part 1

Format	Color
Hex	F900A8
RGB	249, 0, 168
RGB Percent	98%, 0%, 66%
CMY	0.0240, 1.0000, 0.3416
CMYK	0.00, 1.00, 0.33, 0.02
HSL	320°, 100%, 49%
HSV	320°, 100%, 98%
XYZ	46.0769, 22.9298, 38.9925
YIQ	93.6030, 94.4760, 105.0360

Conversions

Conversions Part 2

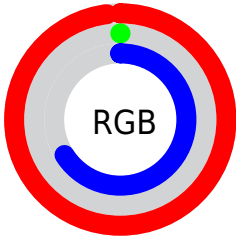
Format	Color
R_{YB}	249, 0, 168
Decimal	16318632
CIE _{Lab}	55.00, 86.75, -19.61
CIE _{LCh}	55, 88.937, 347.260
Yxy	22.9298, 0.4266, 0.2123
Android (android.graphics.Color)	4294508712 (0xFFFF900A8)
YUV	93.6030, 36.6777, 136.2832
Hunter-Lab	47.8851, 87.9605, -14.7598

Details

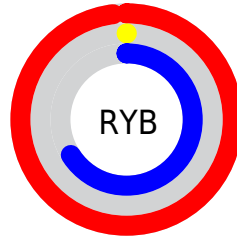
The CIELCh color **55, 88.937, 347.260** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **86, 103.159, 141.546**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 79.555, 334.992**, and **41, 69.869, 351.196** is the 20% darker color. If you saturate the color by 10%, you get **55, 88.900, 347.266**, and if you desaturate by 10%, it is **56, 88.470, 345.081**.

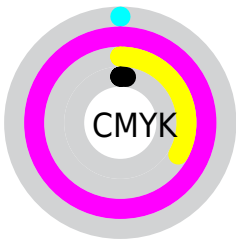
Distribution



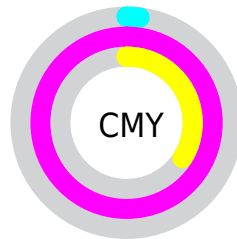
- Red (98%)
- Green (0%)
- Blue (66%)



- Red (98%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 88.937, 347.260 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, 88.937, 347.260 by changing the saturation by 10% instead.


 55, 88.937,
347.260

 55, 88.937,
347.260


 100, 88.937,
347.260

 45, 88.937,
347.260


 75, 88.937,
347.260

 35, 88.937,
347.260

 85, 88.937,
347.260

 25, 88.937,
347.260

 95, 88.937,
347.260

 15, 88.937,
347.260

 5, 88.937, 347.260

 0, 88.937, 347.260

■ 55, 88.937,
347.260

■ 55, 88.937,
347.260

■ 55, 88.900,
347.266

■ 56, 88.470,
345.081

■ 58, 85.551,
343.272

■ 61, 79.794,
341.786

■ 64, 71.530,
340.533

■ 69, 61.337,
339.446

■ 74, 49.843,
338.476

■ 80, 37.600,
337.594

■ 85, 25.031,

336.777

92, 12.436,
336.005

Harmonies

Complementary

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



55, 88.937, 347.260



86, 103.159, 141.546

Rectangle

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



55, 88.937, 347.260



55, 88.937, 37.260



55, 88.937, 167.260



55, 88.937, 217.260

Sweetspot

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



55, 88.900, 347.266



81, 38.347, 337.597



35, 127.401, 308.379



41, 26.125, 337.961



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, 88.900, 347.266



56, 90.529, 347.299



52, 93.177, 31.737



49, 7.090, 335.967



42, 72.445, 346.837



10, 33.633, 343.780

Inverse Universe

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



55, 88.900, 347.266



56, 90.529, 347.299



88, 60.017, 172.211



49, 7.090, 335.967



42, 72.445, 346.837



10, 33.633, 343.780

Previews

White Background



This preview shows how the CIELCh color 55, 88.937, 347.260 looks on a white background.

Color Contrast Check

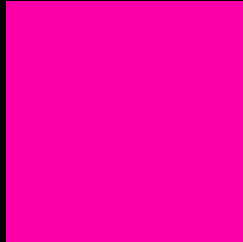
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 88.937, 347.260 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, 88.937, 347.260

Background



This preview shows how black text looks on a background with the CIELCh color 55, 88.937, 347.260.



This preview shows how white text looks on a background with the CIELCh color 55, 88.937, 347.260.

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, 88.937, 347.260

Protanopia

56, 63.075, 286.773

Deuteranopia

56, 15.651, 298.726



Tritanopia
55, 76.971, 30.498

Trichromacy



Original Color
55, 88.937, 347.260



Protanomaly
48, 77.138, 310.504



Deuteranomaly
49, 54.297, 332.507



Tritanomaly
54, 77.440, 12.338

Monochromacy



Original Color
55, 88.937, 347.260



Achromatopsia
40, 0.006, 296.813



Achromatomaly
40, 47.806, 340.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 88.937, 347.260 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(249, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 168)  
}
```

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(249, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 88.937, 347.260 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(249, 0, 168) }
```

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

```
.border{ border-color:rgb(249, 0, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 0, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(249, 0,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 88.937, 347.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 168) }
```

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

```
.background{ background-color: rgb(249, 0,  
168) }
```

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