

Converting Colors

CIELCh(55, 88.913, 346.501)

Have a look what the booklet for
CIELCh(55, 88.913, 346.501)
contains.

CIELCh(55, 88.964, 346.453)	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, 88.964, 346.453)

Conversions

Conversions Part 1

Format	Color
Hex	F804AA
RGB	248, 4, 170
RGB Percent	97%, 2%, 67%
CMY	0.0277, 0.9849, 0.3335
CMYK	0.00, 0.98, 0.31, 0.03
HSL	319°, 97%, 49%
HSV	319°, 98%, 97%
XYZ	45.9859, 22.9298, 40.0112
YIQ	95.8800, 92.1380, 103.3540

Conversions

Conversions Part 2

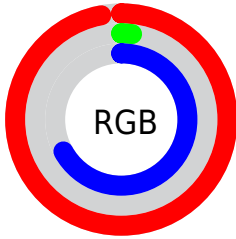
Format	Color
RYB	248, 4, 170
Decimal	16254122
CIELab	55.00, 86.49, -20.84
CIElCh	55, 88.964, 346.453
Yxy	22.9298, 0.4222, 0.2105
Android (android.graphics.Color)	4294444202 (0xFFFF804AA)
YUV	95.8800, 36.5412, 133.4092
Hunter-Lab	47.8851, 87.6215, -16.0211

Details

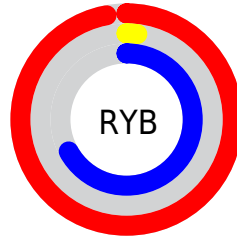
The CIELCh color **55, 88.964, 346.453** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **86, 102.427, 141.655**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 79.776, 334.466**, and **41, 70.093, 350.014** is the 20% darker color. If you saturate the color by 10%, you get **55, 88.967, 346.796**, and if you desaturate by 10%, it is **56, 88.265, 344.374**.

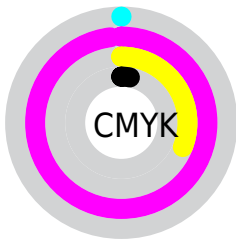
Distribution



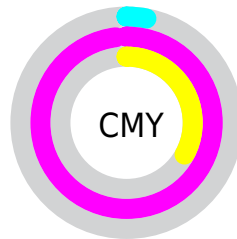
- Red (97%)
- Green (2%)
- Blue (67%)



- Red (97%)
- Yellow (2%)
- Blue (67%)



- Cyan (0%)
- Magenta (98%)
- Yellow (31%)
- Black (3%)





- Cyan (3%)
- Magenta (98%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 88.964, 346.453 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, 88.964, 346.453 by changing the saturation by 10% instead.


 55, 88.964,
346.453


 55, 88.964,
346.453


 100, 88.964,
346.453

 45, 88.964,
346.453


 75, 88.964,
346.453

 35, 88.964,
346.453

 85, 88.964,
346.453

 25, 88.964,
346.453

 95, 88.964,
346.453

 15, 88.964,
346.453

 5, 88.964, 346.453

 0, 88.964, 346.453

■ 55, 88.964,
346.453

■ 55, 88.964,
346.453

■ 55, 88.967,
346.796

■ 56, 88.265,
344.374

■ 58, 84.896,
342.666

■ 61, 78.717,
341.253

■ 65, 70.111,
340.053

■ 69, 59.674,
339.004

■ 75, 48.027,
338.063

■ 80, 35.701,
337.201

■ 86, 23.102,

336.400

■ 92, 10.510,
335.638

Harmonies

Complementary

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



55, 88.964, 346.453



86, 102.427, 141.655

Rectangle

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



55, 88.964, 346.453



55, 88.964, 36.453



55, 88.964, 166.453



55, 88.964, 216.453

Sweetspot

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



55, 88.960, 346.454



81, 38.501, 337.334



35, 126.264, 308.422



41, 26.228, 337.694



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, 88.960, 346.454



56, 90.851, 346.833



52, 91.924, 30.962



49, 7.120, 335.717



42, 72.703, 346.383



10, 33.748, 343.411

Inverse Universe

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



55, 88.960, 346.454



56, 90.851, 346.833



88, 59.540, 172.489



49, 7.120, 335.717



42, 72.703, 346.383



10, 33.748, 343.411

Previews

White Background



This preview shows how the CIELCh color 55, 88.964, 346.453 looks on a white background.

Color Contrast Check

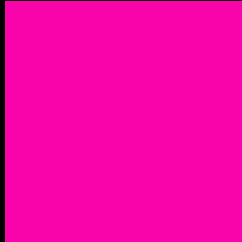
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.964, 346.453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

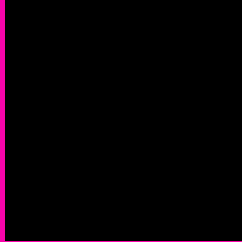
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 88.964, 346.453

Background



This preview shows how black text looks on a background with the CIELCh color 55, 88.964, 346.453.



This preview shows how white text looks on a background with the CIELCh color 55, 88.964, 346.453.

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, 88.964, 346.453

Protanopia

56, 64.814, 287.098

Deuteranopia

56, 16.718, 295.876



Tritanopia
55, 76.125, 30.292

Trichromacy



Original Color
55, 88.964, 346.453



Protanomaly
48, 78.167, 309.919



Deuteranomaly
50, 54.363, 331.366



Tritanomaly
54, 76.690, 11.963

Monochromacy



Original Color
55, 88.964, 346.453



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 47.597, 339.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 88.964, 346.453 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(248, 4, 170)` looks like.

```
.text, #text, p{  
    color:rgb(248, 4, 170)  
}
```

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(248, 4, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 4, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 88.964, 346.453 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(248, 4, 170) }
```

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

```
.border{ border-color:rgb(248, 4, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 4, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 4, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 4, 170);  
box-shadow:4px 4px 4px 4px rgb(248, 4,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 88.964, 346.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 4, 170) }
```

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

```
.background{ background-color: rgb(248, 4,  
170) }
```

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