

Converting Colors

CIELCh(55, 87.841, 350.621)

Have a look what the booklet for
CIELCh(55, 87.841, 350.621)
contains.

CIELCh(55, 87.442, 350.652)	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, 87.442, 350.652)

Conversions

Conversions Part 1

Format	Color
Hex	FB009F
RGB	251, 0, 159
RGB Percent	98%, 0%, 62%
CMY	0.0167, 1.0000, 0.3774
CMYK	0.00, 1.00, 0.37, 0.02
HSL	322°, 100%, 49%
HSV	322°, 100%, 98%
XYZ	45.9128, 22.9298, 34.7044
YIQ	93.1750, 98.5570, 102.6610

Conversions

Conversions Part 2

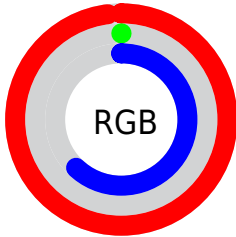
Format	Color
RYB	251, 0, 159
Decimal	16449695
CIELab	55.00, 86.28, -14.20
CIElCh	55, 87.442, 350.652
Yxy	22.9298, 0.4434, 0.2214
Android (android.graphics.Color)	4294639775 (0xFFFB009F)
YUV	93.1750, 32.4517, 138.4125
Hunter-Lab	47.8851, 87.3490, -9.4504

Details

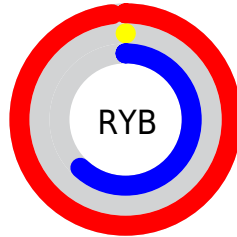
The CIELCh color **55, 87.442, 350.652** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **87, 100.476, 142.951**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 76.578, 337.612**, and **41, 68.758, 355.178** is the 20% darker color. If you saturate the color by 10%, you get **55, 87.362, 350.669**, and if you desaturate by 10%, it is **56, 86.901, 348.052**.

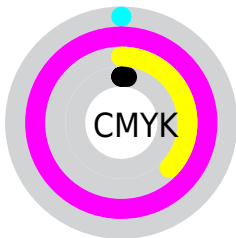
Distribution



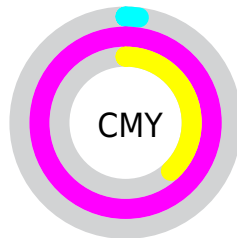
- Red (98%)
- Green (0%)
- Blue (62%)



- Red (98%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 87.442, 350.652 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, 87.442, 350.652 by changing the saturation by 10% instead.


 55, 87.442,
350.652


 55, 87.442,
350.652


 100, 87.442,
350.652


 45, 87.442,
350.652


 75, 87.442,
350.652

 35, 87.442,
350.652

 85, 87.442,
350.652

 25, 87.442,
350.652

 95, 87.442,
350.652

 15, 87.442,
350.652

 5, 87.442, 350.652

 0, 87.442, 350.652

■ 55, 87.442,
350.652

■ 55, 87.442,
350.652

■ 55, 87.362,
350.669

■ 56, 86.901,
348.052

■ 58, 84.007,
345.910

■ 61, 78.318,
344.176

■ 65, 70.162,
342.743

■ 69, 60.116,
341.525

■ 74, 48.810,
340.459

■ 80, 36.789,
339.504

■ 86, 24.471,

338.634

■ 92, 12.149,
337.820

Harmonies

Complementary

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



55, 87.442, 350.652



87, 100.476, 142.951

Rectangle

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



55, 87.442, 350.652



55, 87.442, 40.652



55, 87.442, 170.652



55, 87.442, 220.652

Sweetspot

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



55, 87.362, 350.669



81, 37.295, 339.507



36, 126.944, 309.108



41, 25.417, 339.898



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, 87.362, 350.669



56, 88.472, 350.697



52, 96.894, 34.937



49, 6.884, 337.780



41, 70.792, 350.140



10, 32.873, 346.464

Inverse Universe

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



55, 87.362, 350.669



56, 88.472, 350.697



89, 56.667, 177.866



49, 6.884, 337.780



41, 70.792, 350.140



10, 32.873, 346.464

Previews

White Background



This preview shows how the CIELCh color 55, 87.442, 350.652 looks on a white background.

Color Contrast Check

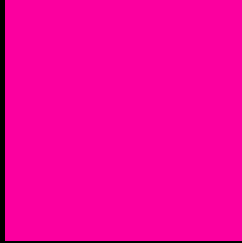
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.442, 350.652 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, 87.442, 350.652

Background



This preview shows how black text looks on a background with the CIELCh color 55, 87.442, 350.652.



This preview shows how white text looks on a background with the CIELCh color 55, 87.442, 350.652.

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, 87.442, 350.652

Protanopia

56, 55.732, 286.331

Deuteranopia

55, 11.611, 310.527



Tritanopia
55, 79.734, 31.460

Trichromacy



Original Color
55, 87.442, 350.652



Protanomaly
48, 71.102, 313.650



Deuteranomaly
50, 52.236, 337.886



Tritanomaly
54, 78.876, 14.963

Monochromacy



Original Color
55, 87.442, 350.652



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 47.049, 342.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 87.442, 350.652 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(251, 0, 159)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 159)  
}
```

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(251, 0, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 87.442, 350.652 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(251, 0, 159) }
```

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

```
.border{ border-color:rgb(251, 0, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 0, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(251, 0,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 87.442, 350.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 159) }
```

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

```
.background{ background-color: rgb(251, 0,  
159) }
```

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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