

Converting Colors

CIELCh(55, 96.565, 337.013)

Have a look what the booklet for
CIELCh(55, 96.565, 337.013)
contains.

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Color

CIELCh(55, 96.501, 337.004)

Conversions

Conversions Part 1

Format	Color
Hex	F200C7
RGB	242, 0, 199
RGB Percent	95%, 0%, 78%
CMY	0.0519, 1.0000, 0.2204
CMYK	0.00, 1.00, 0.18, 0.05
HSL	311°, 100%, 47%
HSV	311°, 100%, 95%
XYZ	46.8145, 22.9298, 55.8669
YIQ	95.0440, 80.3530, 113.1930

Conversions

Conversions Part 2

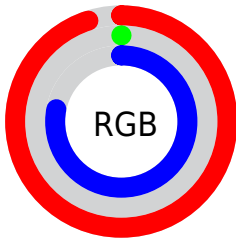
Format	Color
R _Y B	242, 0, 199
Decimal	15859911
CIE Lab	55.00, 88.83, -37.70
CIE LCh	55, 96.501, 337.004
Yxy	22.9298, 0.3727, 0.1825
Android (android.graphics.Color)	4294049991 (0xFFFF200C7)
YUV	95.0440, 51.2503, 128.8804
Hunter-Lab	47.8851, 90.7100, -35.6532

Details

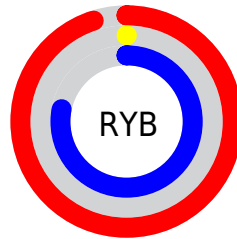
The CIELCh color **55, 96.501, 337.004** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **84, 110.034, 137.859**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **41, 76.587, 338.071** is the 20% darker color. If you saturate the color by 10%, you get **55, 96.428, 337.008**, and if you desaturate by 10%, it is **56, 95.529, 336.066**.

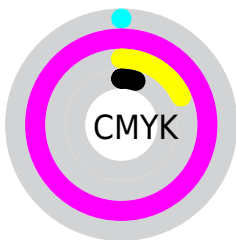
Distribution



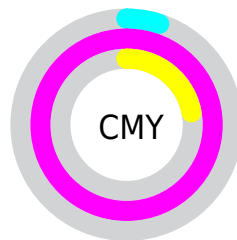
- Red (95%)
- Green (0%)
- Blue (78%)



- Red (95%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 96.501, 337.004 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, 96.501, 337.004 by changing the saturation by 10% instead.


 55, 96.501,
337.004


 55, 96.501,
337.004


 100, 96.501,
337.004


 45, 96.501,
337.004


 75, 96.501,
337.004

 35, 96.501,
337.004

 85, 96.501,
337.004

 25, 96.501,
337.004

 95, 96.501,
337.004

 15, 96.501,
337.004

 5, 96.501, 337.004

 0, 96.501, 337.004

■ 55, 96.501,
337.004

■ 55, 96.501,
337.004

■ 55, 96.428,
337.008

■ 56, 95.529,
336.066

■ 58, 92.102,
335.220

■ 60, 85.804,
334.447

■ 64, 76.939,
333.719

■ 68, 66.058,
333.016

■ 73, 53.775,
332.330

■ 78, 40.645,
331.659

■ 83, 27.111,

331.001

■ 89, 13.494,
330.353

Harmonies

Complementary

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



55, 96.501, 337.004



84, 110.034, 137.859

Rectangle

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



55, 96.501, 337.004



55, 96.501, 27.004



55, 96.501, 157.004



55, 96.501, 207.004

Sweetspot

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



55, 96.428, 337.008



82, 42.437, 331.664



31, 127.268, 306.904



41, 28.886, 331.947



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, 96.428, 337.008



58, 100.358, 337.038



51, 83.390, 19.094



47, 7.611, 330.318



42, 78.627, 336.828



9, 34.976, 335.429

Inverse Universe

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



55, 96.428, 337.008



58, 100.358, 337.038



85, 71.219, 158.898



47, 7.611, 330.318



42, 78.627, 336.828



9, 34.976, 335.429

Previews

White Background



This preview shows how the CIELCh color 55, 96.501, 337.004 looks on a white background.

Color Contrast Check

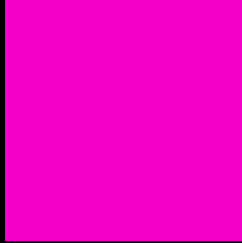
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.501, 337.004 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, 96.501, 337.004

Background



This preview shows how black text looks on a background with the CIELCh color 55, 96.501, 337.004.



This preview shows how white text looks on a background with the CIELCh color 55, 96.501, 337.004.

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, 96.501, 337.004

Protanopia
56, 72.148, 287.375

Deuteranopia
56, 31.191, 283.812



Tritanopia
55, 67.009, 27.255

Trichromacy



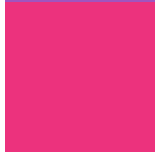
Original Color
55, 96.501, 337.004



Protanomaly
48, 88.734, 306.722



Deuteranomaly
49, 65.538, 318.600



Tritanomaly
54, 73.030, 2.780

Monochromacy



Original Color
55, 96.501, 337.004



Achromatopsia
40, 0.006, 296.813



Achromatomaly
40, 51.847, 333.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 96.501, 337.004 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(242, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 199)  
}
```

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(242, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 96.501, 337.004 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(242, 0, 199) }
```

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

```
.border{ border-color:rgb(242, 0, 199) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 96.501, 337.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 199) }
```

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

```
.background{ background-color: rgb(242, 0,  
199) }
```

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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