

Converting Colors

CIELCh(55, 99.809, 333.511)

Have a look what the booklet for
CIELCh(55, 99.809, 333.511)
contains.

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Color

CIELCh(55, 99.910, 333.431)

Conversions

Conversions Part 1

Format	Color
Hex	EE04D3
RGB	238, 4, 211
RGB Percent	93%, 2%, 83%
CMY	0.0671, 0.9862, 0.1730
CMYK	0.00, 0.99, 0.11, 0.07
HSL	307°, 97%, 47%
HSV	307°, 99%, 93%
XYZ	47.0021, 22.9298, 63.5050
YIQ	97.5640, 73.0170, 113.9850

Conversions

Conversions Part 2

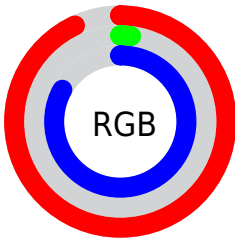
Format	Color
R_{YB}	238, 4, 211
Decimal	15598803
CIE _{Lab}	55.00, 89.36, -44.69
CIE _{LCh}	55, 99.910, 333.431
Yxy	22.9298, 0.3522, 0.1718
Android (android.graphics.Color)	4293788883 (0xFFEE04D3)
YUV	97.5640, 55.9239, 123.1624
Hunter-Lab	47.8851, 91.4095, -45.1105

Details

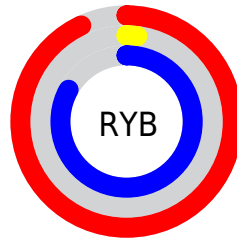
The CIELCh color **55, 99.910, 333.431** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **82, 110.649, 137.045**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.885, 327.481**, and **41, 80.096, 333.580** is the 20% darker color. If you saturate the color by 10%, you get **55, 100.036, 333.515**, and if you desaturate by 10%, it is **56, 98.374, 332.869**.

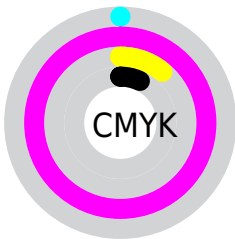
Distribution



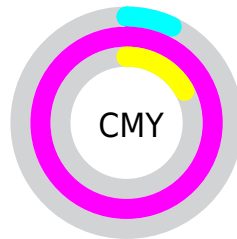
- Red (93%)
- Green (2%)
- Blue (83%)



- Red (93%)
- Yellow (2%)
- Blue (83%)



- Cyan (0%)
- Magenta (99%)
- Yellow (11%)
- Black (7%)





- Cyan (7%)
- Magenta (99%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 99.910, 333.431 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, 99.910, 333.431 by changing the saturation by 10% instead.


 55, 99.910,
333.431


 55, 99.910,
333.431


 100, 99.910,
333.431


 45, 99.910,
333.431


 75, 99.910,
333.431

 35, 99.910,
333.431

 85, 99.910,
333.431

 25, 99.910,
333.431

 95, 99.910,
333.431

 15, 99.910,
333.431

 5, 99.910, 333.431

 0, 99.910, 333.431

■ 55, 99.910,
333.431

■ 55, 99.910,
333.431

■ 55, 100.036,
333.515

■ 56, 98.374,
332.869

■ 58, 94.181,
332.322

■ 60, 87.166,
331.773

■ 64, 77.660,
331.210

■ 68, 66.212,
330.628

■ 72, 53.423,
330.032

■ 78, 39.833,
329.427

■ 83, 25.869,

328.819

■ 89, 11.845,
328.208

Harmonies

Complementary

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



55, 99.910, 333.431



82, 110.649, 137.045

Rectangle

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



55, 99.910, 333.431



55, 99.910, 23.431



55, 99.910, 153.431



55, 99.910, 203.431

Sweetspot

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



55, 99.907, 333.431



82, 44.302, 329.524



31, 125.703, 306.487



41, 30.149, 329.780



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, 99.907, 333.431



59, 105.402, 333.538



51, 80.242, 11.849



47, 7.954, 328.268



42, 82.505, 333.419



10, 36.469, 332.618

Inverse Universe

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



55, 99.907, 333.431



59, 105.402, 333.538



84, 75.640, 154.708



47, 7.954, 328.268



42, 82.505, 333.419



10, 36.469, 332.618

Previews

White Background



This preview shows how the CIELCh color 55, 99.910, 333.431 looks on a white background.

Color Contrast Check

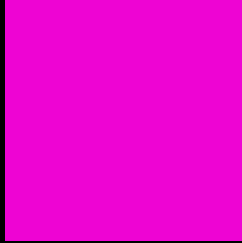
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.910, 333.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

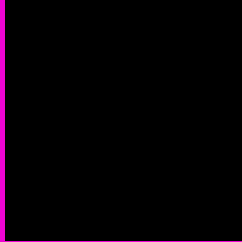
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 99.910, 333.431

Background



This preview shows how black text looks on a background with the CIELCh color 55, 99.910, 333.431.



This preview shows how white text looks on a background with the CIELCh color 55, 99.910, 333.431.

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, 99.910, 333.431

Protanopia

56, 72.166, 287.283

Deuteranopia

56, 38.341, 281.747



Tritanopia
55, 62.221, 26.086

Trichromacy



Original Color
55, 99.910, 333.431



Protanomaly
48, 90.278, 306.155



Deuteranomaly
49, 70.519, 314.018



Tritanomaly
53, 71.048, 358.323

Monochromacy



Original Color
55, 99.910, 333.431



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 52.211, 331.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 99.910, 333.431 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(238, 4, 211)` looks like.

```
.text, #text, p{  
    color:rgb(238, 4, 211)  
}
```

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(238, 4, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 4, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 99.910, 333.431 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(238, 4, 211) }
```

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

```
.border{ border-color:rgb(238, 4, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 4, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 4, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 4, 211);  
box-shadow:4px 4px 4px 4px rgb(238, 4,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 99.910, 333.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 4, 211) }
```

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

```
.background{ background-color: rgb(238, 4,  
211) }
```

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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