

Converting Colors

CIELCh(55, 100.941, 333.303)

Have a look what the booklet for
CIELCh(55, 100.941, 333.303)
contains.

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Color

CIELCh(55, 100.564, 333.403)

Conversions

Conversions Part 1

Format	Color
Hex	EE00D3
RGB	238, 0, 211
RGB Percent	93%, 0%, 83%
CMY	0.0649, 1.0000, 0.1706
CMYK	0.00, 1.00, 0.11, 0.06
HSL	307°, 100%, 47%
HSV	307°, 100%, 94%
XYZ	47.2032, 22.9298, 63.8894
YIQ	95.2160, 74.1170, 116.0770

Conversions

Conversions Part 2

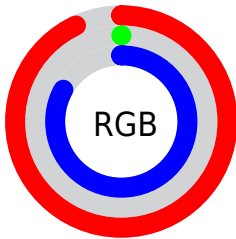
Format	Color
R _Y B	238, 0, 211
Decimal	15597779
CIE Lab	55.00, 89.92, -45.02
CIE LCh	55, 100.564, 333.403
Yxy	22.9298, 0.3522, 0.1711
Android (android.graphics.Color)	4293787859 (0xFFEE00D3)
YUV	95.2160, 57.0815, 125.2216
Hunter-Lab	47.8851, 92.1589, -45.5864

Details

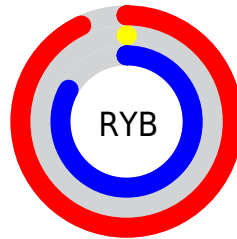
The CIELCh color **55, 100.564, 333.403** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **83, 111.444, 136.894**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **41, 80.096, 333.580** is the 20% darker color. If you saturate the color by 10%, you get **55, 100.383, 333.406**, and if you desaturate by 10%, it is **56, 99.087, 332.853**.

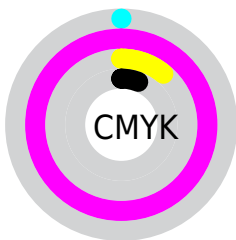
Distribution



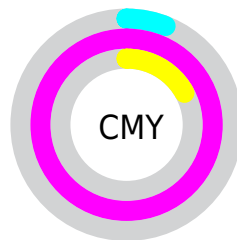
- Red (93%)
- Green (0%)
- Blue (83%)



- Red (93%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 100.564, 333.403 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, 100.564, 333.403 by changing the saturation by 10% instead.


 55, 100.564,
333.403


 55, 100.564,
333.403


 100, 100.564,
333.403


 45, 100.564,
333.403


 75, 100.564,
333.403


 35, 100.564,
333.403


 85, 100.564,
333.403

 25, 100.564,
333.403

 95, 100.564,
333.403

 15, 100.564,
333.403

 5, 100.564,
333.403

 0, 100.564,
333.403

■ 55, 100.564,
333.403

■ 55, 100.564,
333.403

■ 55, 100.383,
333.406

■ 56, 99.087,
332.853

■ 57, 95.300,
332.314

■ 60, 88.666,
331.773

■ 63, 79.468,
331.217

■ 67, 68.233,
330.642

■ 72, 55.566,
330.050

■ 77, 42.019,
329.448

■ 83, 28.042,

328.842

■ 88, 13.963,
328.233

Harmonies

Complementary

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



55, 100.564, 333.403



83, 111.444, 136.894

Rectangle

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



55, 100.564, 333.403



55, 100.564, 23.403



55, 100.564, 153.403



55, 100.564, 203.403

Sweetspot

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



55, 100.383, 333.406



82, 44.367, 329.454



30, 126.634, 306.555



41, 30.193, 329.710



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, 100.383, 333.406



59, 105.580, 333.427



51, 80.758, 12.608



47, 7.965, 328.201



42, 82.642, 333.311



10, 36.522, 332.528

Inverse Universe

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



55, 100.383, 333.406



59, 105.580, 333.427



84, 76.392, 154.372



47, 7.965, 328.201



42, 82.642, 333.311



10, 36.522, 332.528

Previews

White Background



This preview shows how the CIE LCh color 55, 100.564, 333.403 looks on a white background.

Color Contrast Check

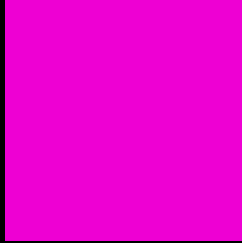
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.564, 333.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

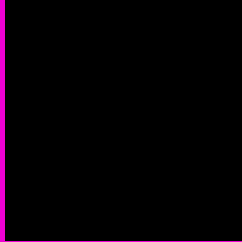
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 100.564, 333.403

Background



This preview shows how black text looks on a background with the CIELCh color 55, 100.564, 333.403.



This preview shows how white text looks on a background with the CIELCh color 55, 100.564, 333.403.

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, 100.210, 333.426

Protanopia

56, 72.148, 287.375

Deuteranopia

56, 38.842, 282.419



Tritanopia
55, 62.625, 26.156

Trichromacy



Original Color
55, 100.210, 333.426



Protanomaly
48, 90.821, 306.456



Deuteranomaly
49, 71.632, 314.259



Tritanomaly
53, 71.584, 358.447

Monochromacy



Original Color
55, 100.210, 333.426



Achromatopsia
40, 0.006, 296.813



Achromatomaly
40, 53.322, 331.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 100.564, 333.403 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, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 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, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 100.564, 333.403 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, 0, 211) }
```

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

```
.border{ border-color:rgb(238, 0, 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, 0, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 100.564, 333.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 211) }
```

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

```
.background{ background-color: rgb(238, 0,  
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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