

Converting Colors

CIELCh(55, 104.272, 330.357)

Have a look what the booklet for
CIELCh(55, 104.272, 330.357)
contains.

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Color

CIELCh(55, 104.314, 330.407)

Conversions

Conversions Part 1

Format	Color
Hex	EB00DF
RGB	235, 0, 223
RGB Percent	92%, 0%, 87%
CMY	0.0792, 1.0000, 0.1262
CMYK	0.00, 1.00, 0.05, 0.08
HSL	303°, 100%, 46%
HSV	303°, 100%, 92%
XYZ	47.4844, 22.9298, 71.6105
YIQ	95.6870, 68.4770, 119.1730

Conversions

Conversions Part 2

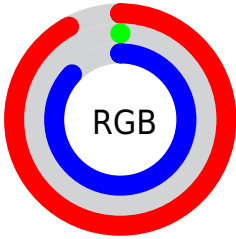
Format	Color
RYB	235, 0, 223
Decimal	15401183
CIELab	55.00, 90.71, -51.51
CIELCh	55, 104.314, 330.407
Yxy	22.9298, 0.3343, 0.1614
Android (android.graphics.Color)	4293591263 (0xFFEB00DF)
YUV	95.6870, 62.7653, 122.1775
Hunter-Lab	47.8851, 93.2071, -55.1465

Details

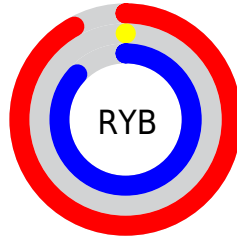
The CIELCh color **55, 104.314, 330.407** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **81, 111.688, 136.325**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **41, 84.090, 329.891** is the 20% darker color. If you saturate the color by 10%, you get **55, 104.252, 330.406**, and if you desaturate by 10%, it is **56, 102.514, 330.147**.

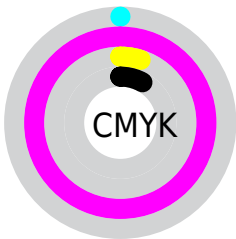
Distribution



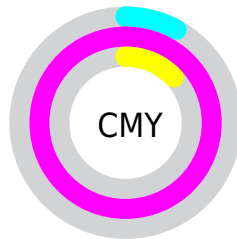
- Red (92%)
- Green (0%)
- Blue (87%)



- Red (92%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 104.314, 330.407 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, 104.314, 330.407 by changing the saturation by 10% instead.


 55, 104.314,
330.407


 55, 104.314,
330.407


 100, 104.314,
330.407


 45, 104.314,
330.407


 75, 104.314,
330.407


 35, 104.314,
330.407


 85, 104.314,
330.407

 25, 104.314,
330.407

 95, 104.314,
330.407

 15, 104.314,
330.407

 5, 104.314,
330.407

 0, 104.314,
330.407

■ 55, 104.314,
330.407

■ 55, 104.314,
330.407

■ 55, 104.252,
330.406

■ 56, 102.514,
330.147

■ 57, 98.341,
329.844

■ 60, 91.361,
329.484

■ 63, 81.831,
329.064

■ 67, 70.255,
328.590

■ 71, 57.224,
328.073

■ 76, 43.287,
327.525

■ 82, 28.898,

326.959

■ 87, 14.394,
326.380

Harmonies

Complementary

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



55, 104.314, 330.407



81, 111.688, 136.325

Rectangle

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



55, 104.314, 330.407



55, 104.314, 20.407



55, 104.314, 150.407



55, 104.314, 200.407

Sweetspot

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



55, 104.252, 330.406



82, 46.278, 327.532



30, 125.493, 306.397



41, 31.489, 327.767



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, 104.252, 330.406



60, 110.945, 330.417



50, 79.329, 7.625



46, 8.169, 326.349



42, 85.863, 330.369



9, 36.984, 330.041

Inverse Universe

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



55, 104.252, 330.406



60, 110.945, 330.417



82, 79.915, 151.419



46, 8.169, 326.349



42, 85.863, 330.369



9, 36.984, 330.041

Previews

White Background



This preview shows how the CIELCh color 55, 104.314, 330.407 looks on a white background.

Color Contrast Check

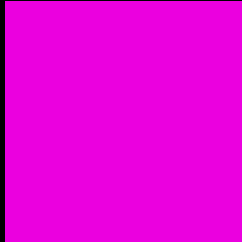
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 55, 104.314, 330.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

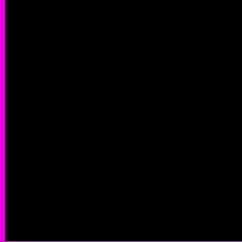
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 104.314, 330.407

Background



This preview shows how black text looks on a background with the CIELCh color 55, 104.314, 330.407.



This preview shows how white text looks on a background with the CIELCh color 55, 104.314, 330.407.

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, 104.314, 330.407

Protanopia

56, 72.166, 287.283

Deuteranopia

56, 44.305, 280.340



Tritanopia
55, 58.190, 25.055

Trichromacy



Original Color

55, 104.314, 330.407



Protanomaly

48, 92.930, 306.071



Deuteranomaly

49, 75.984, 310.650



Tritanomaly

53, 70.635, 354.730

Monochromacy



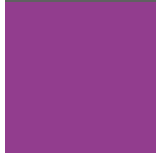
Original Color

55, 104.314, 330.407



Achromatopsia

41, 0.006, 296.813



Achromatomaly

40, 54.757, 328.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 104.314, 330.407 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(235, 0, 223)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 223)  
}
```

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(235, 0, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 104.314, 330.407 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(235, 0, 223) }
```

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

```
.border{ border-color:rgb(235, 0, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 223);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 104.314, 330.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 223) }
```

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

```
.background{ background-color: rgb(235, 0,  
223) }
```

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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