

Converting Colors

CIELCh(55, 107.056, 328.233)

Have a look what the booklet for
CIELCh(55, 107.056, 328.233)
contains.

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Color

CIELCh(55, 106.940, 328.223)

Conversions

Conversions Part 1

Format	Color
Hex	E705E7
RGB	231, 5, 231
RGB Percent	91%, 2%, 91%
CMY	0.0931, 0.9795, 0.0931
CMYK	0.00, 0.98, 0.00, 0.09
HSL	300°, 96%, 46%
HSV	300°, 98%, 91%
XYZ	47.5574, 22.9298, 77.7074
YIQ	98.3380, 62.1500, 118.1980

Conversions

Conversions Part 2

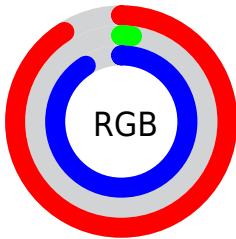
Format	Color
R_{YB}	231, 5, 231
Decimal	15140327
CIE _{Lab}	55.00, 90.91, -56.32
CIE _{LCh}	55, 106.940, 328.223
Yxy	22.9298, 0.3209, 0.1547
Android (android.graphics.Color)	4293330407 (0xFFE705E7)
YUV	98.3380, 65.4024, 116.3446
Hunter-Lab	47.8851, 93.4795, -62.6955

Details

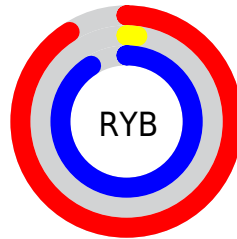
The CIELCh color **55, 106.940, 328.223** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **80, 110.764, 136.084**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.885, 327.481**, and **41, 86.859, 327.330** is the 20% darker color. If you saturate the color by 10%, you get **55, 107.331, 328.236**, and if you desaturate by 10%, it is **56, 104.427, 328.143**.

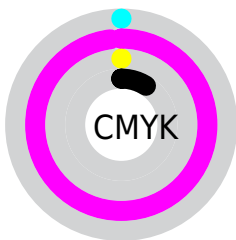
Distribution



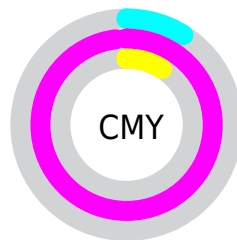
- Red (91%)
- Green (2%)
- Blue (91%)



- Red (91%)
- Yellow (2%)
- Blue (91%)



- Cyan (0%)
- Magenta (98%)
- Yellow (0%)
- Black (9%)





- Cyan (9%)
- Magenta (98%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 106.940, 328.223 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, 106.940, 328.223 by changing the saturation by 10% instead.


 55, 106.940,
328.223


 55, 106.940,
328.223


 100, 106.940,
328.223


 45, 106.940,
328.223


 75, 106.940,
328.223


 35, 106.940,
328.223


 85, 106.940,
328.223

 25, 106.940,
328.223

 95, 106.940,
328.223

 15, 106.940,
328.223

 5, 106.940,
328.223

 0, 106.940,
328.223

■ 55, 106.940,
328.223

■ 55, 106.940,
328.223

■ 55, 107.331,
328.236

■ 56, 104.427,
328.143

■ 57, 99.297,
327.977

■ 60, 91.427,
327.718

■ 63, 81.122,
327.373

■ 67, 68.898,
326.952

■ 71, 55.333,
326.474

■ 76, 40.959,
325.954

■ 82, 26.203,

325.409

■ 87, 11.386,
324.844

Harmonies

Complementary

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



55, 106.940, 328.223



80, 110.764, 136.084

Rectangle

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



55, 106.940, 328.223



55, 106.940, 18.223



55, 106.940, 148.223



55, 106.940, 198.223

Sweetspot

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



55, 106.937, 328.223



83, 46.315, 326.029



29, 123.260, 306.133



42, 31.701, 326.254



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, 106.937, 328.223



60, 115.560, 328.236



50, 78.379, 1.748



45, 8.306, 324.943



42, 88.423, 328.236



9, 37.106, 328.235

Inverse Universe

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



55, 106.937, 328.223



60, 115.560, 328.236



81, 82.224, 149.286



45, 8.306, 324.943



42, 88.423, 328.236



9, 37.106, 328.235

Previews

White Background



This preview shows how the CIELCh color 55, 106.940, 328.223 looks on a white background.

Color Contrast Check

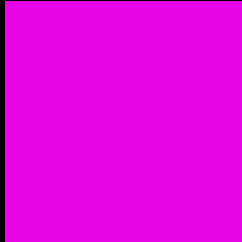
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.940, 328.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

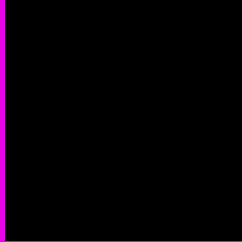
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 106.940, 328.223

Background



This preview shows how black text looks on a background with the CIELCh color 55, 106.940, 328.223.



This preview shows how white text looks on a background with the CIELCh color 55, 106.940,

328.223.

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, 106.865, 328.220

Protanopia

56, 72.201, 287.104

Deuteranopia

56, 49.085, 279.745



Tritanopia
55, 54.526, 23.669

Trichromacy



Original Color
55, 106.865, 328.220



Protanomaly
48, 93.423, 305.302



Deuteranomaly
48, 78.960, 307.887



Tritanomaly
53, 69.226, 351.269

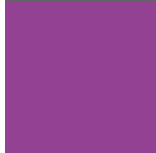
Monochromacy



Original Color
55, 106.865, 328.220



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 54.812, 327.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 106.940, 328.223 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(231, 5, 231)` looks like.

```
.text, #text, p{  
    color:rgb(231, 5, 231)  
}
```

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(231, 5, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 5, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 106.940, 328.223 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(231, 5, 231) }
```

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

```
.border{ border-color:rgb(231, 5, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 5, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 5, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 5, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 5,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 106.940, 328.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 5, 231) }
```

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

```
.background{ background-color: rgb(231, 5,  
231) }
```

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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