

Converting Colors

CIELCh(55, 106.171, 327.538)

Have a look what the booklet for
CIELCh(55, 106.171, 327.538)
contains.

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Color

CIELCh(55, 106.027, 327.655)

Conversions

Conversions Part 1

Format	Color
Hex	E513E8
RGB	229, 19, 232
RGB Percent	90%, 7%, 91%
CMY	0.1022, 0.9261, 0.0904
CMYK	0.01, 0.92, 0.00, 0.09
HSL	299°, 85%, 49%
HSV	299°, 92%, 91%
XYZ	47.0795, 22.9298, 78.2433
YIQ	106.0720, 56.7870, 110.7630

Conversions

Conversions Part 2

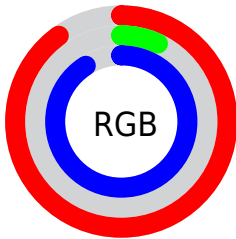
Format	Color
R _Y B	229, 19, 232
Decimal	15012840
CIE Lab	55.00, 89.58, -56.73
CIE LCh	55, 106.027, 327.655
Yxy	22.9298, 0.3176, 0.1547
Android (android.graphics.Color)	4293202920 (0xFFE513E8)
YUV	106.0720, 62.0825, 107.8079
Hunter-Lab	47.8851, 91.6980, -63.3591

Details

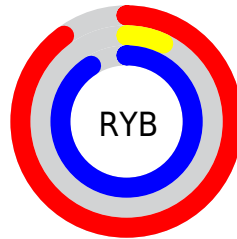
The CIELCh color **55, 106.027, 327.655** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **81, 109.459, 136.217**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.964, 327.453**, and **40, 87.312, 326.667** is the 20% darker color. If you saturate the color by 10%, you get **54, 107.636, 327.668**, and if you desaturate by 10%, it is **56, 101.972, 327.565**.

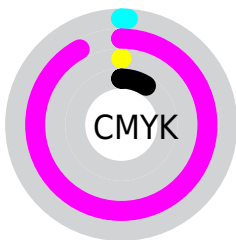
Distribution



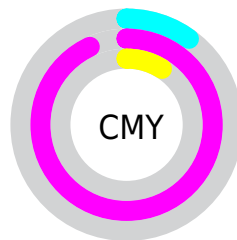
- Red (90%)
- Green (7%)
- Blue (91%)



- Red (90%)
- Yellow (7%)
- Blue (91%)



- Cyan (1%)
- Magenta (92%)
- Yellow (0%)
- Black (9%)





- Cyan (10%)
- Magenta (93%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 106.027, 327.655 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, 106.027, 327.655 by changing the saturation by 10% instead.


 55, 106.027,
327.655


 55, 106.027,
327.655


 100, 106.027,
327.655


 45, 106.027,
327.655


 75, 106.027,
327.655


 35, 106.027,
327.655


 85, 106.027,
327.655

 25, 106.027,
327.655

 95, 106.027,
327.655

 15, 106.027,
327.655

 5, 106.027,
327.655

 0, 106.027,
327.655

■ 55, 106.027,
327.655

■ 55, 106.027,
327.655

■ 54, 107.636,
327.668

■ 56, 101.972,
327.565

■ 58, 95.137,
327.372

■ 61, 85.705,
327.082

■ 65, 74.142,
326.706

■ 69, 61.023,
326.261

■ 74, 46.909,
325.767

■ 80, 32.271,
325.240

■ 85, 17.467,

324.694

■ 91, 2.750, 324.066

Harmonies

Complementary

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



55, 106.027, 327.655



81, 109.459, 136.217

Rectangle

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



55, 106.027, 327.655



55, 106.027, 17.655



55, 106.027, 147.655



55, 106.027, 197.655

Sweetspot

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



55, 106.024, 327.655



83, 44.568, 325.573



31, 119.570, 305.460



42, 30.707, 325.798



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, 106.024, 327.655



60, 115.637, 327.665



51, 78.204, 357.915



45, 8.270, 324.558



42, 88.480, 327.678



8, 37.126, 327.763

Inverse Universe

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



49, 92.239, 37.566



53, 104.016, 39.611



81, 80.822, 149.797



45, 4.815, 18.795



37, 79.354, 39.394



6, 27.057, 21.179

Previews

White Background



This preview shows how the CIE LCh color 55, 106.027, 327.655 looks on a white background.

Color Contrast Check

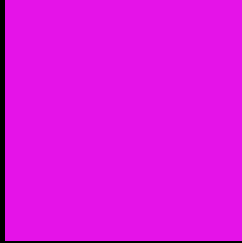
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.027, 327.655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

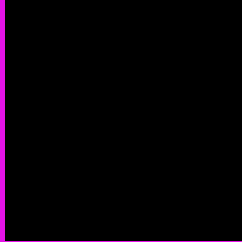
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 106.027, 327.655

Background



This preview shows how black text looks on a background with the CIELCh color 55, 106.027, 327.655.



This preview shows how white text looks on a background with the CIELCh color 55, 106.027, 327.655.

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, 106.027, 327.655

Protanopia

56, 72.811, 287.383

Deuteranopia

55, 49.695, 279.619



Tritanopia
55, 52.804, 23.265

Trichromacy



Original Color
55, 106.027, 327.655



Protanomaly
49, 91.668, 304.520



Deuteranomaly
49, 77.108, 306.754



Tritanomaly
53, 66.957, 350.569

Monochromacy



Original Color
55, 106.027, 327.655



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 52.259, 326.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 106.027, 327.655 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(229, 19, 232)` looks like.

```
.text, #text, p{  
  color:rgb(229, 19, 232)  
}
```

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(229, 19, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 19, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 106.027, 327.655 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(229, 19, 232) }
```

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

```
.border{ border-color:rgb(229, 19, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 19, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 19, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 19, 232);  
box-shadow:4px 4px 4px 4px rgb(229, 19,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 106.027, 327.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 19, 232) }
```

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

```
.background{ background-color: rgb(229, 19,  
232) }
```

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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