

Converting Colors

CIELCh(55, 102.363, 331.916)

Have a look what the booklet for
CIELCh(55, 102.363, 331.916)
contains.

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Color

CIELCh(55, 102.227, 331.968)

Conversions

Conversions Part 1

Format	Color
Hex	ED00D9
RGB	237, 0, 217
RGB Percent	93%, 0%, 85%
CMY	0.0716, 1.0000, 0.1500
CMYK	0.00, 1.00, 0.08, 0.07
HSL	305°, 100%, 46%
HSV	305°, 100%, 93%
XYZ	47.3149, 22.9298, 67.4083
YIQ	95.6010, 71.5950, 117.7310

Conversions

Conversions Part 2

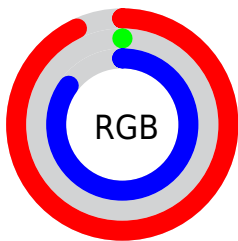
Format	Color
RYB	237, 0, 217
Decimal	15532249
CIELab	55.00, 90.23, -48.04
CIElCh	55, 102.227, 331.968
Yxy	22.9298, 0.3437, 0.1666
Android (android.graphics.Color)	4293722329 (0xFFED00D9)
YUV	95.6010, 59.8497, 124.0069
Hunter-Lab	47.8851, 92.5754, -49.9435

Details

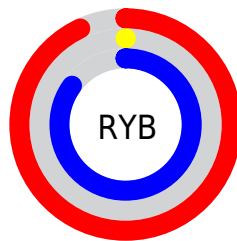
The CIELCh color **55, 102.227, 331.968** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **82, 111.657, 136.590**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **41, 81.867, 331.930** is the 20% darker color. If you saturate the color by 10%, you get **55, 102.139, 331.968**, and if you desaturate by 10%, it is **56, 100.645, 331.560**.

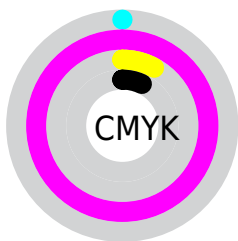
Distribution



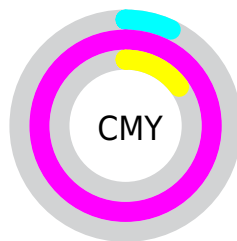
- Red (93%)
- Green (0%)
- Blue (85%)



- Red (93%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 102.227, 331.968 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, 102.227, 331.968 by changing the saturation by 10% instead.


 55, 102.227,
331.968


 55, 102.227,
331.968


 100, 102.227,
331.968


 45, 102.227,
331.968


 75, 102.227,
331.968


 35, 102.227,
331.968


 85, 102.227,
331.968

 25, 102.227,
331.968

 95, 102.227,
331.968

 15, 102.227,
331.968

 5, 102.227,
331.968

 0, 102.227,
331.968

■ 55, 102.227,
331.968

■ 55, 102.227,
331.968

■ 55, 102.139,
331.968

■ 56, 100.645,
331.560

■ 57, 96.684,
331.136

■ 60, 89.894,
330.684

■ 63, 80.545,
330.194

■ 67, 69.156,
329.668

■ 72, 56.323,
329.113

■ 77, 42.599,
328.537

■ 82, 28.434,

327.950

■ 88, 14.161,
327.357

Harmonies

Complementary

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



55, 102.227, 331.968



82, 111.657, 136.590

Rectangle

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



55, 102.227, 331.968



55, 102.227, 21.968



55, 102.227, 151.968



55, 102.227, 201.968

Sweetspot

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



55, 102.139, 331.968



82, 45.243, 328.544



30, 126.070, 306.494



41, 30.787, 328.789



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, 102.139, 331.968



59, 108.021, 331.985



51, 80.072, 10.943



46, 7.983, 327.324



42, 83.646, 331.899



9, 36.167, 331.320

Inverse Universe

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



55, 102.139, 331.968



59, 108.021, 331.985



83, 77.451, 153.353



46, 7.983, 327.324



42, 83.646, 331.899



9, 36.167, 331.320

Previews

White Background



This preview shows how the CIELCh color 55, 102.227, 331.968 looks on a white background.

Color Contrast Check

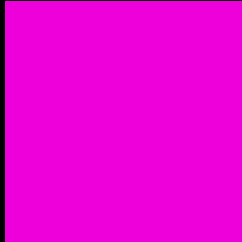
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.227, 331.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

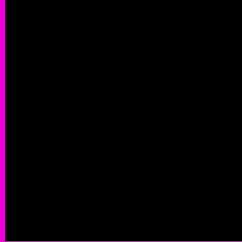
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 102.227, 331.968

Background



This preview shows how black text looks on a background with the CIELCh color 55, 102.227, 331.968.



This preview shows how white text looks on a background with the CIELCh color 55, 102.227, 331.968.

331.968.

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, 102.227, 331.968

Protanopia

56, 72.166, 287.283

Deuteranopia

56, 41.291, 281.008



Tritanopia
55, 60.450, 25.644

Trichromacy



Original Color

55, 102.227, 331.968



Protanomaly

48, 91.876, 306.259



Deuteranomaly

49, 73.476, 312.292



Tritanomaly

53, 71.158, 356.758

Monochromacy



Original Color

55, 102.227, 331.968



Achromatopsia

40, 0.006, 296.813



Achromatomaly

40, 54.151, 330.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 102.227, 331.968 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(237, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 217)  
}
```

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(237, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 102.227, 331.968 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(237, 0, 217) }
```

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

```
.border{ border-color:rgb(237, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 102.227, 331.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 217) }
```

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

```
.background{ background-color: rgb(237, 0,  
217) }
```

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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