

Converting Colors

CIELCh(55, 101.980, 331.649)

Have a look what the booklet for
CIELCh(55, 101.980, 331.649)
contains.

CIELCh(55, 101.842, 331.779)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(55, 101.842, 331.779)

Conversions

Conversions Part 1

Format	Color
Hex	EC05D9
RGB	236, 5, 217
RGB Percent	93%, 2%, 85%
CMY	0.0748, 0.9814, 0.1493
CMYK	0.00, 0.98, 0.08, 0.07
HSL	305°, 96%, 47%
HSV	305°, 98%, 93%
XYZ	47.1367, 22.9298, 67.5453
YIQ	98.2370, 69.6240, 114.9040

Conversions

Conversions Part 2

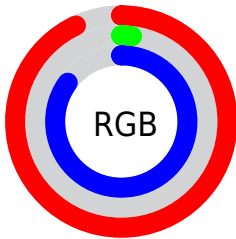
Format	Color
RYB	236, 5, 217
Decimal	15467993
CIELab	55.00, 89.74, -48.16
CIELCh	55, 101.842, 331.779
Yxy	22.9298, 0.3425, 0.1666
Android (android.graphics.Color)	4293658073 (0xFFEC05D9)
YUV	98.2370, 58.5502, 120.8182
Hunter-Lab	47.8851, 91.9111, -50.1131

Details

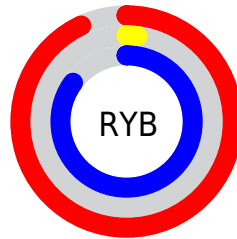
The CIELCh color **55, 101.842, 331.779** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **82, 110.824, 136.696**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.885, 327.481**, and **41, 81.859, 331.681** is the 20% darker color. If you saturate the color by 10%, you get **55, 102.062, 331.859**, and if you desaturate by 10%, it is **56, 99.978, 331.379**.

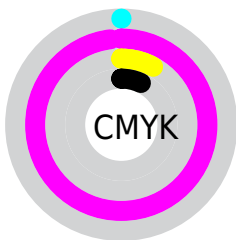
Distribution



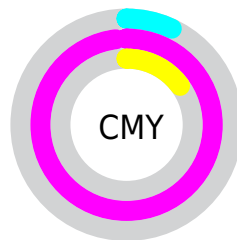
- Red (93%)
- Green (2%)
- Blue (85%)



- Red (93%)
- Yellow (2%)
- Blue (85%)



- Cyan (0%)
- Magenta (98%)
- Yellow (8%)
- Black (7%)





- Cyan (7%)
- Magenta (98%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 101.842, 331.779 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, 101.842, 331.779 by changing the saturation by 10% instead.


 55, 101.842,
331.779


 55, 101.842,
331.779


 100, 101.842,
331.779


 45, 101.842,
331.779


 75, 101.842,
331.779


 35, 101.842,
331.779


 85, 101.842,
331.779

 25, 101.842,
331.779

 95, 101.842,
331.779

 15, 101.842,
331.779

 5, 101.842,
331.779

 0, 101.842,
331.779

■ 55, 101.842,
331.779

■ 55, 101.842,
331.779

■ 55, 102.062,
331.859

■ 56, 99.978,
331.379

■ 58, 95.436,
330.959

■ 60, 88.100,
330.506

■ 63, 78.302,
330.013

■ 68, 66.588,
329.484

■ 72, 53.549,
328.926

■ 77, 39.721,
328.350

■ 83, 25.528,

327.763

■ 89, 11.282,
327.168

Harmonies

Complementary

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



55, 101.842, 331.779



82, 110.824, 136.696

Rectangle

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



55, 101.842, 331.779



55, 101.842, 21.779



55, 101.842, 151.779



55, 101.842, 201.779

Sweetspot

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



55, 101.839, 331.779



82, 43.820, 328.416



30, 124.923, 306.327



41, 29.999, 328.664



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, 101.839, 331.779



59, 108.215, 331.876



51, 79.309, 8.316



46, 7.996, 327.257



42, 83.793, 331.793



9, 36.221, 331.231

Inverse Universe

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



55, 101.839, 331.779



59, 108.215, 331.876



83, 77.845, 152.819



46, 7.996, 327.257



42, 83.793, 331.793



9, 36.221, 331.231

Previews

White Background



This preview shows how the CIE LCh color 55, 101.842, 331.779 looks on a white background.

Color Contrast Check

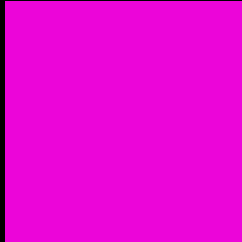
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.842, 331.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

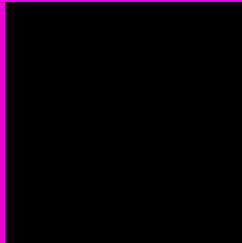
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 101.842, 331.779

Background



This preview shows how black text looks on a background with the CIELCh color 55, 101.842, 331.779.



This preview shows how white text looks on a background with the CIELCh color 55, 101.842, 331.779.

331.779.

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, 101.842, 331.779

Protanopia

56, 72.184, 287.193

Deuteranopia

55, 41.880, 281.366



Tritanopia
55, 60.272, 25.137

Trichromacy



Original Color
55, 101.842, 331.779



Protanomaly
48, 90.765, 305.809



Deuteranomaly
49, 72.891, 312.154



Tritanomaly
53, 70.445, 356.293

Monochromacy



Original Color
55, 101.842, 331.779



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 52.902, 329.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 101.842, 331.779 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(236, 5, 217)` looks like.

```
.text, #text, p{  
    color:rgb(236, 5, 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(236, 5, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 5, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 101.842, 331.779 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(236, 5, 217) }
```

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

```
.border{ border-color:rgb(236, 5, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 5, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 5, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 5, 217);  
box-shadow:4px 4px 4px 4px rgb(236, 5,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 101.842, 331.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 5, 217) }
```

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

```
.background{ background-color: rgb(236, 5,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor