

Converting Colors

CIELCh(55, 70.803, 345.489)

Have a look what the booklet for
CIELCh(55, 70.803, 345.489)
contains.

CIELCh(55, 70.867, 345.386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 70.867, 345.386)

Conversions

Conversions Part 1

Format	Color
Hex	E144A4
RGB	225, 68, 164
RGB Percent	88%, 27%, 64%
CMY	0.1163, 0.7319, 0.3557
CMYK	0.00, 0.70, 0.27, 0.12
HSL	323°, 73%, 58%
HSV	323°, 70%, 88%
XYZ	39.9726, 22.9298, 37.5826
YIQ	125.8870, 62.7560, 63.1400

Conversions

Conversions Part 2

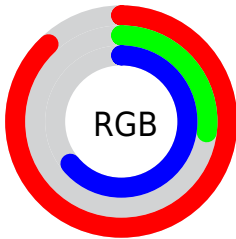
Format	Color
RYB	225, 68, 164
Decimal	14763172
CIELab	55.00, 68.57, -17.88
CIELCh	55, 70.867, 345.386
Yxy	22.9298, 0.3978, 0.2282
Android (android.graphics.Color)	4292953252 (0xFFE144A4)
YUV	125.8870, 18.7897, 86.9221
Hunter-Lab	47.8851, 65.2057, -13.0141

Details

The CIELCh color **55, 70.867, 345.386** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **80, 70.833, 150.035**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 64.586, 337.391**, and **36, 65.877, 346.273** is the 20% darker color. If you saturate the color by 10%, you get **52, 76.242, 347.217**, and if you desaturate by 10%, it is **59, 63.301, 343.882**.

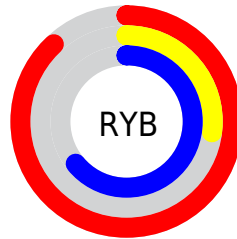
Distribution



Red (88%)

Green (27%)

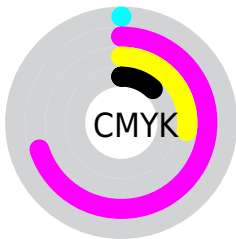
Blue (64%)



Red (88%)

Yellow (27%)

Blue (64%)

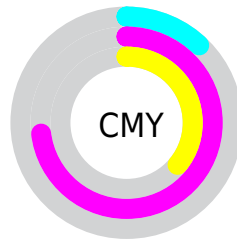


Cyan (0%)

Magenta (70%)

Yellow (27%)

Black (12%)



Cyan (12%)


Magenta (73%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 70.867, 345.386 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, 70.867, 345.386 by changing the saturation by 10% instead.


 55, 70.867,
345.386

 55, 70.867,
345.386


 100, 70.867,
345.386

 45, 70.867,
345.386


 75, 70.867,
345.386

 35, 70.867,
345.386

 85, 70.867,
345.386

 25, 70.867,
345.386

 95, 70.867,
345.386

 15, 70.867,
345.386

 5, 70.867, 345.386

 0, 70.867, 345.386

55, 70.867,
345.386

55, 70.867,
345.386

52, 76.242,
347.217

59, 63.301,
343.882

50, 79.118,
349.489

63, 54.086,
342.611

49, 79.801,
352.270

68, 43.782,
341.506

49, 79.815,
352.368

73, 32.872,
340.524

78, 21.725,
339.632

84, 10.594,
338.802

90, 0.358, 159.214

96, 11.038,
157.436

■ 98, 12.005,
168.443

Harmonies

Complementary

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



55, 70.867, 345.386



80, 70.833, 150.035

Rectangle

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



55, 70.867, 345.386



55, 70.867, 35.386



55, 70.867, 165.386



55, 70.867, 215.386

Sweetspot

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



55, 70.864, 345.387



87, 25.671, 339.759



45, 91.197, 309.383



44, 17.396, 340.003



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, 70.864, 345.387



58, 85.612, 348.270



53, 66.352, 22.302



44, 6.204, 338.784



38, 66.540, 351.825



7, 27.863, 346.854

Inverse Universe

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



55, 70.864, 345.387



58, 85.612, 348.270



82, 44.454, 183.665



44, 6.204, 338.784



38, 66.540, 351.825



7, 27.863, 346.854

Previews

White Background



This preview shows how the CIELCh color 55, 70.867, 345.386 looks on a white background.

Color Contrast Check

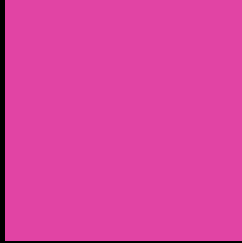
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.867, 345.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

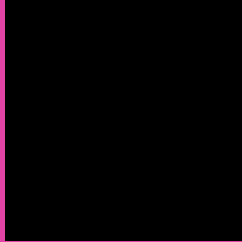
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 70.867, 345.386

Background



This preview shows how black text looks on a background with the CIELCh color 55, 70.867, 345.386.

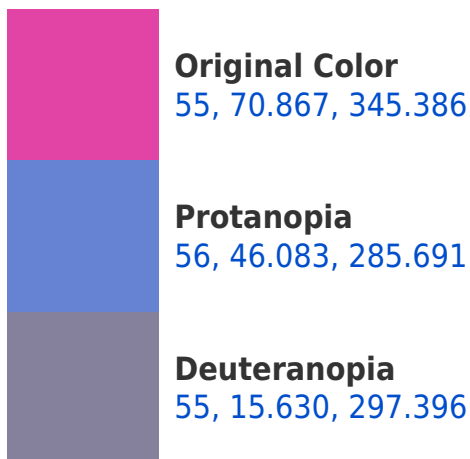


This preview shows how white text looks on a background with the CIELCh color 55, 70.867, 345.386.

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





Tritanopia
55, 57.370, 24.905

Trichromacy



Original Color
55, 70.867, 345.386



Protanomaly
53, 50.772, 309.979



Deuteranomaly
53, 37.034, 330.434



Tritanomaly
55, 58.497, 8.394

Monochromacy



Original Color
55, 70.867, 345.386



Achromatopsia
53, 0.007, 296.813



Achromatomaly
51, 29.840, 340.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 70.867, 345.386 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(225, 68, 164)` looks like.

```
.text, #text, p{  
    color:rgb(225, 68, 164)  
}
```

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(225, 68, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 68, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 70.867, 345.386 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(225, 68, 164) }
```

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

```
.border{ border-color:rgb(225, 68, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 68, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 68, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 68, 164);  
box-shadow:4px 4px 4px 4px rgb(225, 68,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 70.867, 345.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 68, 164) }
```

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

```
.background{ background-color: rgb(225, 68,  
164) }
```

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