

# Converting Colors

CIELCh(55, 72.540, 343.975)

Have a look what the booklet for  
CIELCh(55, 72.540, 343.975)  
contains.

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**Color**

**CIELCh(55, 72.458, 344.051)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E243A8
RGB	226, 67, 168
RGB Percent	89%, 26%, 66%
CMY	0.1147, 0.7383, 0.3420
CMYK	0.00, 0.70, 0.26, 0.11
HSL	322°, 73%, 57%
HSV	322°, 70%, 89%
XYZ	40.3240, 22.9298, 39.2377
YIQ	126.0550, 62.3430, 65.1190

# Conversions

## Conversions Part 2

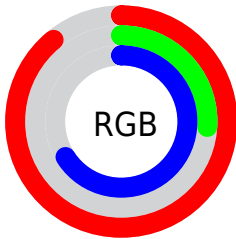
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 67, 168
Decimal	14828456
CIE <sub>Lab</sub>	55.00, 69.67, -19.91
CIE <sub>LCh</sub>	55, 72.458, 344.051
Y <sub>xy</sub>	22.9298, 0.3934, 0.2237
Android (android.graphics.Color)	4293018536 (0xFFE243A8)
Y <sub>UV</sub>	126.0550, 20.6789, 87.6518
Hunter-Lab	47.8851, 66.5157, -15.0635

# Details

The CIELCh color **55, 72.458, 344.051** 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, 73.053, 148.897**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.929, 336.001**, and **37, 66.989, 344.798** is the 20% darker color. If you saturate the color by 10%, you get **52, 77.683, 345.761**, and if you desaturate by 10%, it is **58, 64.968, 342.635**.

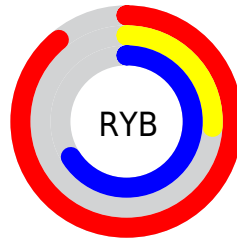
# Distribution



Red (89%)

Green (26%)

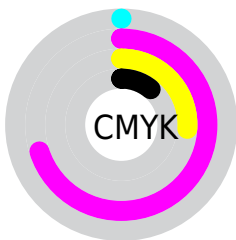
Blue (66%)



Red (89%)

Yellow (26%)

Blue (66%)

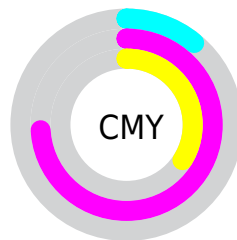


Cyan (0%)

Magenta (70%)

Yellow (26%)

Black (11%)



Cyan (11%)

Magenta (74%)


Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 72.458, 344.051 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, 72.458, 344.051 by changing the saturation by 10% instead.





 55, 72.458,  
344.051


 55, 72.458,  
344.051


 100, 72.458,  
344.051


 45, 72.458,  
344.051


 75, 72.458,  
344.051

 35, 72.458,  
344.051

 85, 72.458,  
344.051

 25, 72.458,  
344.051

 95, 72.458,  
344.051

 15, 72.458,  
344.051

 5, 72.458, 344.051

 0, 72.458, 344.051

55, 72.458,  
344.051

55, 72.458,  
344.051

52, 77.683,  
345.761

58, 64.968,  
342.635

51, 80.358,  
347.870

63, 55.749,  
341.429

50, 80.882,  
350.307

67, 45.368,  
340.372

73, 34.325,  
339.425

78, 23.001,  
338.560

84, 11.664,  
337.753

90, 0.489, 336.248

95, 10.424,  
156.408

■ 98, 12.260,  
165.493

# Harmonies

# Complementary

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



55, 72.458, 344.051



80, 73.053, 148.897

# Rectangle

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



55, 72.458, 344.051



55, 72.458, 34.051



55, 72.458, 164.051



55, 72.458, 214.051

# Sweetspot

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



55, 72.455, 344.052



87, 26.100, 338.619



44, 92.459, 308.615



44, 17.684, 338.854



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, 72.455, 344.052



58, 87.037, 346.788



53, 66.382, 20.069



44, 6.311, 337.674



39, 67.347, 349.813



7, 28.249, 345.291



# Inverse Universe

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



55, 72.455, 344.052



58, 87.037, 346.788



82, 46.088, 180.238



44, 6.311, 337.674



39, 67.347, 349.813



7, 28.249, 345.291



# Previews

## White Background



This preview shows how the CIELCh color 55, 72.458, 344.051 looks on a white background.

## Color Contrast Check

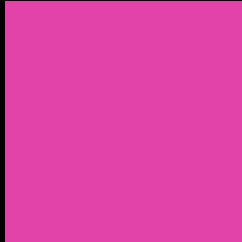
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.458, 344.051 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, 72.458, 344.051

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 72.458, 344.051.

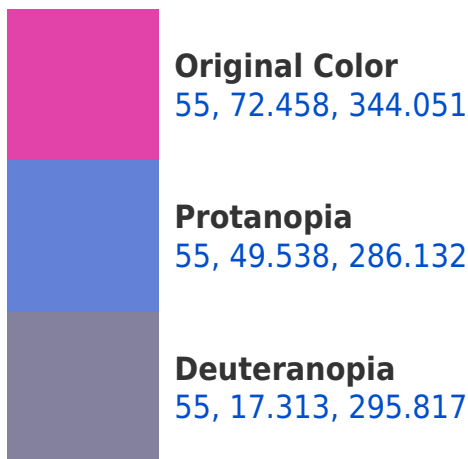


This preview shows how white text looks on a background with the CIELCh color 55, 72.458, 344.051.

# 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, 72.458, 344.051



**Protanomaly**  
52, 54.597, 308.707



**Deuteranomaly**  
53, 38.786, 328.293



**Tritanomaly**  
55, 58.893, 7.575

# Monochromacy



**Original Color**  
55, 72.458, 344.051



**Achromatopsia**  
53, 0.007, 296.813



**Achromatomaly**  
51, 30.834, 339.724

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 72.458, 344.051 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(226, 67, 168)` looks like.

```
.text, #text, p{  
    color:rgb(226, 67, 168)  
}
```

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(226, 67, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 67, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 72.458, 344.051 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(226, 67, 168) }
```

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

```
.border{ border-color:rgb(226, 67, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 67, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 67, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 67, 168);  
box-shadow:4px 4px 4px 4px rgb(226, 67,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 72.458, 344.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 67, 168) }
```

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

```
.background{ background-color: rgb(226, 67,  
168) }
```

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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