

# Converting Colors

XYZ(39.5023, 22.4527, 39.5199)

Have a look what the booklet for  
XYZ(39.5023, 22.4527, 39.5199)  
contains.

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# Color

**XYZ(39.4475, 22.4116,  
39.2925)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF42A8
RGB	223, 66, 168
RGB Percent	87%, 26%, 66%
CMY	0.1255, 0.7411, 0.3412
CMYK	0.00, 0.70, 0.25, 0.13
HSL	321°, 71%, 57%
HSV	321°, 70%, 87%
XYZ	39.4475, 22.4116, 39.2925
YIQ	124.5710, 60.8300, 65.0060

# Conversions

## Conversions Part 2

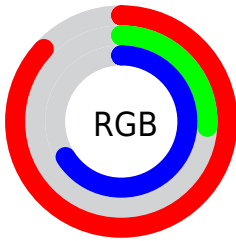
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 66, 168
Decimal	14631592
CIE <sub>Lab</sub>	54.46, 69.25, -20.91
CIE <sub>LCh</sub>	54, 72.337, 343.202
Yxy	22.4116, 0.3900, 0.2216
Android (android.graphics.Color)	4292821672 (0xFFDF42A8)
YUV	124.5710, 21.4105, 86.3222
Hunter-Lab	47.3409, 65.8912, -16.0715

# Details

The XYZ color **39.4475, 22.4116, 39.2925** 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 **32.0870, 55.3148, 27.0779**, and the grayscale version is **19.2667, 20.2700, 22.0741**.

A 20% lighter version of the original color is **62.0201, 41.5094, 74.5553**, and **18.4622, 9.1535, 17.3167** is the 20% darker color. If you saturate the color by 10%, you get **37.6830, 20.0125, 35.2206**, and if you desaturate by 10%, it is **41.7647, 25.8456, 43.7648**.

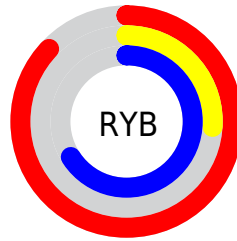
# Distribution



Red (87%)

Green (26%)

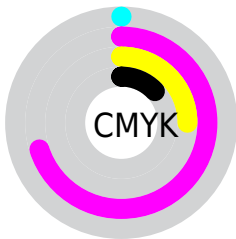
Blue (66%)



Red (87%)

Yellow (26%)

Blue (66%)

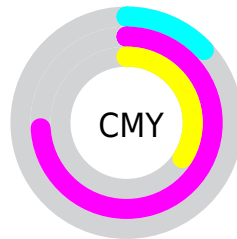


Cyan (0%)

Magenta (70%)

Yellow (25%)

Black (13%)



Cyan (13%)

Magenta (74%)


Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4475, 22.4116, 39.2925 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 XYZ color 39.4475, 22.4116, 39.2925 by changing the saturation by 10% instead.





 39.4475, 22.4116,  
39.2925


 39.4475, 22.4116,  
39.2925


334.9638,  
264.6883, 358.5955

 27.2903, 14.1596,  
26.6778


 73.6112, 47.4253,  
75.3102


 17.9291, 8.2318,  
17.1011


 96.3483, 64.9559,  
99.5503


 10.9985, 4.2436,  
10.1439


 123.3429, 86.3482,  
128.5025

 6.1331, 1.8108,  
5.3876

 154.9602,  
111.9865, 162.5855

 2.9676, 0.4939,  
2.4137

 191.5656,  
142.2553, 202.2177

 1.1367, 0.0000,  
0.7939

233.5244,

 0.0555, 0.0000,

177.5389, 247.8178

0.0000

281.2020,  
218.2218, 299.8042

■ 0.0000, 0.0000,  
0.0000

■ 39.4475, 22.4116,  
39.2925

■ 39.4475, 22.4116,  
39.2925

■ 37.6830, 20.0125,  
35.2206

■ 41.7647, 25.8456,  
43.7648

■ 36.4055, 18.5188,  
31.5228

■ 44.6860, 30.4169,  
48.6577

■ 35.5327, 17.7285,  
28.2865

■ 48.2590, 36.2193,  
53.9909

■ 52.5257, 43.3358,  
59.7818

■ 57.5248, 51.8422,  
66.0467

63.2916, 61.8085,  
72.8007

69.8593, 73.2999,  
80.0583

77.2591, 86.3778,  
87.8328

81.6702, 93.3995,  
94.8540

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.5123, 22.4116, 71.9650



39.4475, 22.4116, 39.2925



39.8215, 22.4116, 15.7397

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.4475, 22.4116, 39.2925



18.0111, 22.4116, 1.8118



12.0214, 22.4116, 68.0594

# Complementary

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



39.4475, 22.4116, 39.2925



32.0870, 55.3148, 27.0779

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.6538, 22.4116, 35.7727



39.4475, 22.4116, 39.2925



12.4886, 22.4116, 4.4236

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.4475, 22.4116, 39.2925



26.0101, 22.4116, 1.9397



9.8004, 22.4116, 13.8481



17.1986, 22.4116, 94.4403



# Rectangle

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



39.4475, 22.4116, 39.2925



36.7441, 22.4116, 7.4697



9.8004, 22.4116, 13.8481



10.9353, 22.4116, 56.9007

# Sweetspot

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



39.4482, 22.4128, 39.2929



77.4068, 69.3135, 88.8384



23.1472, 13.2871, 71.1569



16.1476, 14.1167, 18.4984



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.4482, 22.4128, 39.2929



50.2599, 26.1256, 45.5510



34.2070, 20.3163, 11.6931



14.0804, 13.8498, 16.1938



20.9480, 10.4462, 16.9238



1.4939, 0.7408, 1.3937



# Inverse Universe

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



39.4482, 22.4128, 39.2929



50.2599, 26.1256, 45.5510



38.9965, 58.0786, 63.4632



14.0804, 13.8498, 16.1938



20.9480, 10.4462, 16.9238



1.4939, 0.7408, 1.3937



# Previews

## White Background



This preview shows how the XYZ color 39.4475, 22.4116, 39.2925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

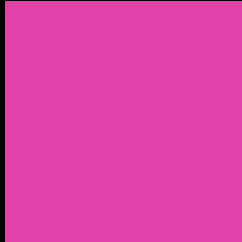
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4475, 22.4116, 39.2925 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](#).

**XYZ 39.4475, 22.4116, 39.2925**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4475, 22.4116, 39.2925.



This preview shows how white text looks on a background with the XYZ color 39.4475, 22.4116,



# 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

39.4475, 22.4116, 39.2925

### Protanopia

24.8088, 22.8314, 67.3893

### Deuteranopia

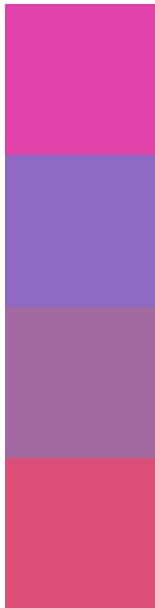
23.0304, 22.6087, 35.9510



## Tritanopia

33.9993, 22.3584, 12.8796

# Trichromacy



## Original Color

39.4475, 22.4116, 39.2925

## Protanomaly

26.3999, 19.9312, 55.8817

## Deuteranomaly

26.6774, 20.4983, 36.7329

## Tritanomaly

35.3996, 22.0081, 20.1515

# Monochromacy



## Original Color

39.4475, 22.4116, 39.2925

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

24.4560, 19.4008, 27.6551

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4475, 22.4116, 39.2925 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(223, 66, 168)` looks like.

```
.text, #text, p{  
    color:rgb(223, 66, 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(223, 66, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 66, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4475, 22.4116, 39.2925 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(223, 66, 168) }
```



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

```
.border{ border-color:rgb(223, 66, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 66, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 66, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 66, 168); box-shadow:4px 4px 4px 4px rgb(223, 66, 168) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4475, 22.4116, 39.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 66, 168) }
```

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

```
.background{ background-color: rgb(223, 66,  
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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