

# Converting Colors

XYZ(39.8969, 24.5798, 35.9694)

Have a look what the booklet for  
XYZ(39.8969, 24.5798, 35.9694)  
contains.

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# Color

**XYZ(39.9469, 24.5667,  
35.8941)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF54A0
RGB	223, 84, 160
RGB Percent	87%, 33%, 63%
CMY	0.1255, 0.6706, 0.3725
CMYK	0.00, 0.62, 0.28, 0.13
HSL	327°, 68%, 60%
HSV	327°, 62%, 87%
XYZ	39.9469, 24.5667, 35.8941
YIQ	134.2250, 58.4480, 53.1040

# Conversions

## Conversions Part 2

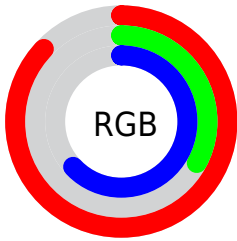
Format	Color
R <sub>Y</sub> B	223, 84, 160
Decimal	14636192
CIE Lab	56.65, 61.38, -12.90
CIE LCh	57, 62.720, 348.130
Yxy	24.5667, 0.3978, 0.2447
Android (android.graphics.Color)	4292826272 (0xFFDF54A0)
YUV	134.2250, 12.7071, 77.8557
Hunter-Lab	49.5648, 57.1242, -8.2416

# Details

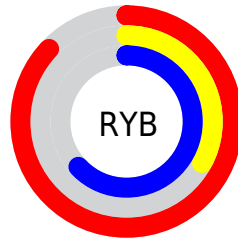
The XYZ color **39.9469, 24.5667, 35.8941** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **35.3116, 56.7675, 36.7030**, and the grayscale version is **22.6835, 23.8648, 25.9888**.

A 20% lighter version of the original color is **63.0306, 45.2160, 69.6955**, and **18.2019, 9.3458, 15.0319** is the 20% darker color. If you saturate the color by 10%, you get **37.6347, 21.3001, 30.9367**, and if you desaturate by 10%, it is **42.8833, 28.9660, 41.4147**.

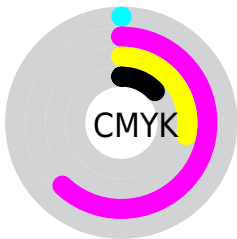
# Distribution



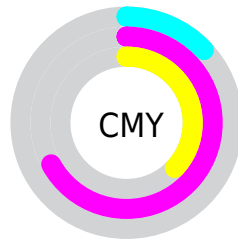
- Red (87%)
- Green (33%)
- Blue (63%)



- Red (87%)
- Yellow (33%)
- Blue (63%)



- Cyan (0%)
- Magenta (62%)
- Yellow (28%)
- Black (13%)



- Cyan (13%)
- Magenta (67%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9469, 24.5667, 35.8941 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 39.9469, 24.5667, 35.8941 by changing the saturation by 10% instead.



 39.9469, 24.5667,  
35.8941


 39.9469, 24.5667,  
35.8941


337.0380,  
275.6731, 343.5208

 27.6812, 15.7545,  
24.0634


 74.3675, 50.9534,  
70.0358


 18.2247, 9.3506,  
15.1680


 97.2531, 69.2967,  
93.1838

 11.2121, 4.9706,  
8.7894


 124.4093, 91.5859,  
120.9414

 6.2780, 2.2300,  
4.5092

 156.2016,  
118.2053, 153.7270

 3.0571, 0.7363,  
1.9086

192.9952,  
149.5393, 191.9592

 1.1840, 0.0000,  
0.4982

235.1556,

 0.0937, 0.0000,

185.9724, 236.0566

0.0000

283.0481,  
227.8889, 286.4376

■ 0.0000, 0.0000,  
0.0000

■ 39.9469, 24.5667,  
35.8941

■ 39.9469, 24.5667,  
35.8941

■ 37.6347, 21.3001,  
30.9367

■ 42.8833, 28.9660,  
41.4147

■ 35.8883, 19.0531,  
26.5140

■ 46.4904, 34.5895,  
47.5216

■ 34.6412, 17.6953,  
22.5955

■ 50.8130, 41.5235,  
54.2376

■ 33.9396, 17.0912,  
19.8975

■ 55.8908, 49.8453,  
61.5836

■ 61.7608, 59.6263,  
69.5794

■ 68.4573, 70.9329,  
78.2435

■ 76.0125, 83.8275,  
87.5937

■ 82.0481, 93.5506,  
96.8439

■ 83.5993, 94.1711,  
105.0126

# Harmonies

## Analogous

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



35.4333, 24.5667, 63.5284



39.9469, 24.5667, 35.8941



39.3823, 24.5667, 16.0925

# Triad

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



39.9469, 24.5667, 35.8941



19.2505, 24.5667, 3.8517



15.1817, 24.5667, 69.2135

# Complementary

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



39.9469, 24.5667, 35.8941



35.3116, 56.7675, 36.7030

# 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.



12.3934, 24.5667, 41.3017



39.9469, 24.5667, 35.8941



14.3830, 24.5667, 7.8948

# Square

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



39.9469, 24.5667, 35.8941



26.3562, 24.5667, 3.5481



12.1352, 24.5667, 19.3062



20.5814, 24.5667, 88.4860



# Rectangle

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



39.9469, 24.5667, 35.8941



36.2161, 24.5667, 8.8191



12.1352, 24.5667, 19.3062



13.9612, 24.5667, 60.0196

# Sweetspot

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



39.9476, 24.5680, 35.8945



78.1576, 71.5534, 86.8122



28.4431, 17.8315, 71.7549



16.2603, 14.5383, 17.9309



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.



39.9476, 24.5680, 35.8945



50.1565, 27.7375, 39.9097



35.4889, 22.7845, 12.4153



14.0192, 13.8253, 15.8712



20.0137, 10.0725, 12.0037



1.4322, 0.7162, 1.0690



# Inverse Universe

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



39.9476, 24.5680, 35.8945



50.1565, 27.7375, 39.9097



42.4458, 59.6211, 74.2709



14.0192, 13.8253, 15.8712



20.0137, 10.0725, 12.0037



1.4322, 0.7162, 1.0690



# Previews

## White Background



This preview shows how the XYZ color 39.9469, 24.5667, 35.8941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

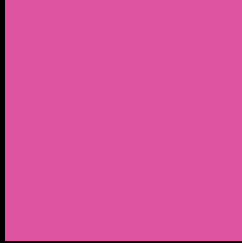
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.9469, 24.5667, 35.8941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

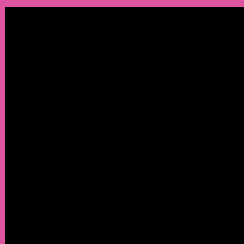
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.9469, 24.5667, 35.8941**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9469, 24.5667, 35.8941.



This preview shows how white text looks on a background with the XYZ color 39.9469, 24.5667,



# 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

39.9469, 24.5667, 35.8941

### Protanopia

25.8250, 24.8176, 55.6537

### Deuteranopia

25.2926, 24.8257, 33.5958



## Tritanopia

35.6868, 24.4543, 15.9359

# Trichromacy



## Original Color

39.9469, 24.5667, 35.8941

## Protanomaly

28.5029, 22.9776, 47.7326

## Deuteranomaly

28.9261, 23.3197, 34.4291

## Tritanomaly

36.9804, 24.3252, 21.8149

# Monochromacy



## Original Color

39.9469, 24.5667, 35.8941

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

26.9292, 22.5809, 28.9258

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9469, 24.5667, 35.8941 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, 84, 160)` looks like.

```
.text, #text, p{  
    color:rgb(223, 84, 160)  
}
```

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, 84, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 84, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9469, 24.5667, 35.8941 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, 84, 160) }
```



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

```
.border{ border-color:rgb(223, 84, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 84, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 84, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 84, 160);  
box-shadow:4px 4px 4px 4px rgb(223, 84,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9469, 24.5667, 35.8941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 84, 160) }
```

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

```
.background{ background-color: rgb(223, 84,  
160) }
```

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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