

# Converting Colors

XYZ(39.4064, 21.6146, 19.3839)

Have a look what the booklet for  
XYZ(39.4064, 21.6146, 19.3839)  
contains.

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# Color

**XYZ(39.3357, 21.5937,  
19.2343)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED3276
RGB	237, 50, 118
RGB Percent	93%, 20%, 46%
CMY	0.0706, 0.8039, 0.5373
CMYK	0.00, 0.79, 0.50, 0.07
HSL	338°, 84%, 56%
HSV	338°, 79%, 93%
XYZ	39.3357, 21.5937, 19.2343
YIQ	113.6650, 89.6240, 60.7920

# Conversions

## Conversions Part 2

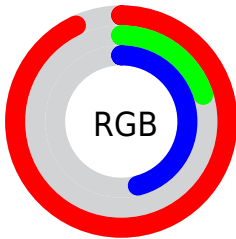
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 50, 118
Decimal	15544950
CIE Lab	53.59, 72.64, 7.77
CIE LCh	54, 73.052, 6.105
Yxy	21.5937, 0.4907, 0.2694
Android (android.graphics.Color)	4293735030 (0xFFED3276)
YUV	113.6650, 2.1372, 108.1648
Hunter-Lab	46.4690, 69.7782, 7.9872

# Details

The XYZ color **39.3357, 21.5937, 19.2343** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle washed rose. A complement of this color would be **38.7630, 64.1119, 47.8748**, and the grayscale version is **15.8709, 16.6974, 18.1835**.

A 20% lighter version of the original color is **54.6264, 36.4237, 42.1816**, and **18.7847, 9.5562, 6.6488** is the 20% darker color. If you saturate the color by 10%, you get **37.7454, 19.7349, 14.6301**, and if you desaturate by 10%, it is **41.5942, 24.5598, 24.7687**.

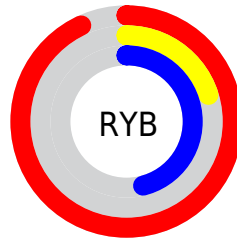
# Distribution



Red (93%)

Green (20%)

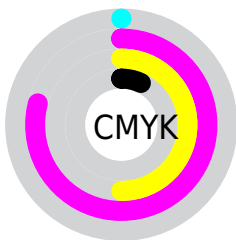
Blue (46%)



Red (93%)

Yellow (20%)

Blue (46%)

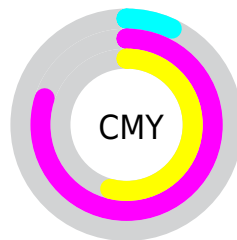


Cyan (0%)

Magenta (79%)

Yellow (50%)

Black (7%)



Cyan (7%)

Magenta (80%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3357, 21.5937, 19.2343 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 39.3357, 21.5937, 19.2343 by changing the saturation by 10% instead.





 39.3357, 21.5937,  
19.2343


 39.3357, 21.5937,  
19.2343


334.4983,  
260.4171, 260.2049


 27.2029, 13.5587,  
11.6612


 73.4417, 46.0735,  
42.9716


 17.8630, 7.8144,  
6.3937


 96.1455, 63.2871,  
59.9729


 10.9508, 3.9764,  
3.0133


 123.1038, 84.3291,  
80.9539

 6.1008, 1.6604,  
1.1014

 154.6818,  
109.5837, 106.3333

 2.9477, 0.3978,  
0.0000

 191.2448,  
139.4354, 136.5295

 1.1262, 0.0000,  
0.0000

233.1584,

 0.0468, 0.0000,

174.2686, 171.9612

0.0000

280.7878,  
214.4677, 213.0468

■ 0.0000, 0.0000,  
0.0000

■ 39.3357, 21.5937,  
19.2343

■ 39.3357, 21.5937,  
19.2343

■ 37.7454, 19.7349,  
14.6301

■ 41.5942, 24.5598,  
24.7687

■ 36.7080, 18.7631,  
10.8835


■ 44.5966, 28.7741,  
31.2894


■ 36.6116, 18.6791,  
10.5160


■ 48.4095, 34.3603,  
38.8482


■ 53.0913, 41.4263,  
47.4923

■ 58.6948, 50.0689,  
57.2658

 65.2683, 60.3766,  
68.2100

 72.8567, 72.4314,  
80.3640

 81.5020, 86.3100,  
93.7650

 88.5338, 96.6640,  
107.5451

# Harmonies

## Analogous

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



37.5128, 21.5937, 45.5496



39.3357, 21.5937, 19.2343



35.1791, 21.5937, 6.1994

# Triad

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



39.3357, 21.5937, 19.2343



12.8956, 21.5937, 3.0842



15.0297, 21.5937, 88.6856

# Complementary

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



39.3357, 21.5937, 19.2343



38.7630, 64.1119, 47.8748

# 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.



10.6366, 21.5937, 58.9812



39.3357, 21.5937, 19.2343



9.6406, 21.5937, 10.0540

# Square

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



39.3357, 21.5937, 19.2343



18.9705, 21.5937, 1.4449



8.9334, 21.5937, 28.3808



22.1604, 21.5937, 97.2781



# Rectangle

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



39.3357, 21.5937, 19.2343



30.0735, 21.5937, 2.8455



8.9334, 21.5937, 28.3808



13.2462, 21.5937, 80.2063

# Sweetspot

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



39.3363, 21.5950, 19.2346



72.8887, 64.7151, 73.6504



32.6692, 16.7699, 81.6357



15.0248, 12.9506, 14.7962



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.



39.3363, 21.5950, 19.2346



43.7214, 22.4777, 14.3024



38.0134, 23.2597, 5.5053



15.2918, 15.1446, 16.8220



20.0461, 10.2211, 6.0440



1.6189, 0.8205, 0.7104



# Inverse Universe

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



39.3363, 21.5950, 19.2346



43.7214, 22.4777, 14.3024



40.1627, 53.9141, 88.4103



15.2918, 15.1446, 16.8220



20.0461, 10.2211, 6.0440

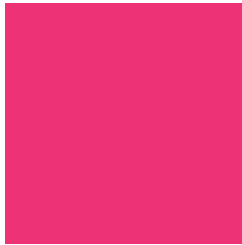


1.6189, 0.8205, 0.7104



# Previews

## White Background



This preview shows how the XYZ color 39.3357, 21.5937, 19.2343 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 39.3357, 21.5937, 19.2343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

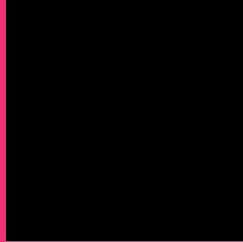
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.3357, 21.5937, 19.2343**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3357, 21.5937, 19.2343.



This preview shows how white text looks on a background with the XYZ color 39.3357, 21.5937,



# 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

39.3357, 21.5937, 19.2343

### Protanopia

21.8197, 21.7818, 36.3120

### Deuteranopia

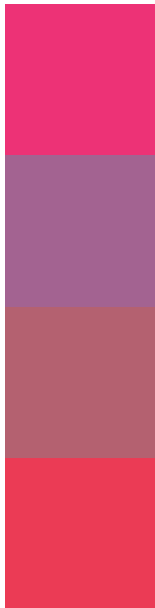
22.1807, 21.8153, 17.5097



## Tritanopia

36.7484, 21.5526, 7.3775

# Trichromacy



## Original Color

39.3357, 21.5937, 19.2343

## Protanomaly

24.6769, 18.7545, 29.1074

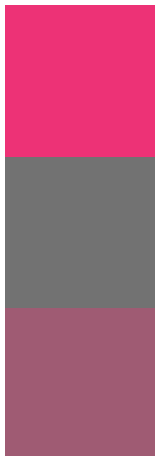
## Deuteranomaly

26.0217, 19.4225, 17.7067

## Tritanomaly

37.4646, 21.4460, 10.7592

# Monochromacy



## Original Color

39.3357, 21.5937, 19.2343

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

21.1337, 16.0909, 18.2116

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3357, 21.5937, 19.2343 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(237, 50, 118)` looks like.

```
.text, #text, p{  
    color:rgb(237, 50, 118)  
}
```

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(237, 50, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 50, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3357, 21.5937, 19.2343 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(237, 50, 118) }
```



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

```
.border{ border-color:rgb(237, 50, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 50, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 50, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 50, 118); box-shadow:4px 4px 4px 4px rgb(237, 50, 118) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3357, 21.5937, 19.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 50, 118) }
```

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

```
.background{ background-color: rgb(237, 50,  
118) }
```

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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