

# Converting Colors

XYZ(43.3718, 21.9036, 22.6050)

Have a look what the booklet for  
XYZ(43.3718, 21.9036, 22.6050)  
contains.

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# Color

**XYZ(43.3868, 21.9090,  
22.7110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA0081
RGB	250, 0, 129
RGB Percent	98%, 0%, 51%
CMY	0.0196, 0.9997, 0.4941
CMYK	0.00, 1.00, 0.48, 0.02
HSL	329°, 100%, 49%
HSV	329°, 100%, 98%
XYZ	43.3868, 21.9090, 22.7110
YIQ	89.4560, 107.5910, 93.1190

# Conversions

## Conversions Part 2

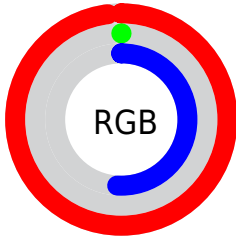
<b>Format</b>	<b>Color</b>
<b>RYB</b>	250, 0, 129
Decimal	16384129
CIELab	53.93, 83.56, 1.96
CIELCh	54, 83.584, 1.343
Yxy	21.9090, 0.4930, 0.2489
Android (android.graphics.Color)	4294574209 (0xFFFA0081)
YUV	89.4560, 19.4952, 140.7971
Hunter-Lab	46.8071, 83.5444, 3.9972

# Details

The XYZ color **43.3868, 21.9090, 22.7110** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **37.6414, 69.7534, 29.5893**, and the grayscale version is **9.5458, 10.0429, 10.9367**.

A 20% lighter version of the original color is **54.1453, 33.5611, 47.8801**, and **21.9415, 11.1440, 8.5840** is the 20% darker color. If you saturate the color by 10%, you get **43.3846, 21.9081, 22.7003**, and if you desaturate by 10%, it is **44.5886, 22.9481, 27.3190**.

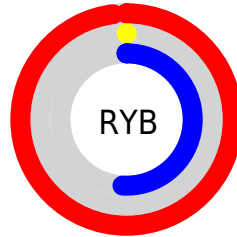
# Distribution



Red (98%)

Green (0%)

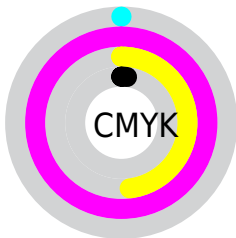
Blue (51%)



Red (98%)

Yellow (0%)

Blue (51%)

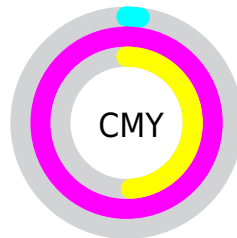


Cyan (0%)

Magenta (100%)

Yellow (48%)

Black (2%)



Cyan (2%)

Magenta (100%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3868, 21.9090, 22.7110 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 43.3868, 21.9090, 22.7110 by changing the saturation by 10% instead.





 43.3868, 21.9090,  
22.7110


 43.3868, 21.9090,  
22.7110


351.0947,  
262.0707, 279.3108


 30.3846, 13.7900,  
14.1770


 79.5463, 46.5955,  
48.8355


 20.2802, 7.9748,  
8.1037

 103.4343, 63.9319,  
67.2631


 12.7083, 4.0788,  
4.0726


 131.6816, 85.1096,  
89.8256

 7.3036, 1.7178,  
1.6653

 164.6535,  
110.5129, 116.9415

 3.7007, 0.4351,  
0.3368

 202.7154,  
140.5263, 149.0295

 1.5342, 0.0000,  
0.0000

246.2327,

 0.3490, 0.0000,

175.5341, 186.5080

0.0000

295.5706,  
215.9208, 229.7956

■ 0.0000, 0.0000,  
0.0000

■ 43.3868, 21.9090,  
22.7110

■ 43.3868, 21.9090,  
22.7110

■ 43.3846, 21.9081,  
22.7003

■ 44.5886, 22.9481,  
27.3190

■ 46.3344, 24.9173,  
32.5939

■ 48.7644, 28.0926,  
38.5974

■ 51.9645, 32.6413,  
45.3724

■ 56.0073, 38.7038,  
52.9567

■ 60.9563, 46.4032,  
61.3845

■ 66.8686, 55.8495,  
70.6877

■ 73.7966, 67.1433,  
80.8958

■ 81.7886, 80.3775,  
92.0368

# Harmonies

## Analogous

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



40.0239, 21.9090, 56.4334



43.3868, 21.9090, 22.7110



39.3994, 21.9090, 6.2360

# Triad

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



43.3868, 21.9090, 22.7110



13.0502, 21.9090, 1.6193



13.5721, 21.9090, 99.2436

# Complementary

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



43.3868, 21.9090, 22.7110



37.6414, 69.7534, 29.5893

# 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.



9.2561, 21.9090, 60.0858



43.3868, 21.9090, 22.7110



9.0216, 21.9090, 7.0963

# Square

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



43.3868, 21.9090, 22.7110



20.4204, 21.9090, 0.6588



7.8629, 21.9090, 25.0372



21.2326, 21.9090, 115.7687



# Rectangle

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



43.3868, 21.9090, 22.7110



33.6273, 21.9090, 2.3016



7.8629, 21.9090, 25.0372



11.7690, 21.9090, 87.3550

# Sweetspot

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



43.3874, 21.9103, 22.7113



69.9103, 58.3602, 73.8854



25.1224, 10.9588, 91.2334



14.3784, 11.5506, 14.9115



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.



43.3874, 21.9103, 22.7113



45.3741, 22.9136, 23.6996



39.4481, 20.3346, 1.9673



17.6185, 17.3747, 19.8466



23.0858, 11.6500, 12.4260



2.1917, 1.1004, 1.4331



# Inverse Universe

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



43.3874, 21.9103, 22.7113



45.3741, 22.9136, 23.6996



50.7954, 75.0151, 98.8575



17.6185, 17.3747, 19.8466



23.0858, 11.6500, 12.4260



2.1917, 1.1004, 1.4331



# Previews

## White Background



This preview shows how the XYZ color 43.3868, 21.9090, 22.7110 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 43.3868, 21.9090, 22.7110 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 43.3868, 21.9090, 22.7110**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.3868, 21.9090, 22.7110.



This preview shows how white text looks on a background with the XYZ color 43.3868, 21.9090,



# 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

43.3868, 21.9090, 22.7110

### Protanopia

23.2642, 22.4283, 49.5573

### Deuteranopia

22.8232, 22.4567, 20.5844



## Tritanopia

39.7874, 22.1995, 5.3199

# Trichromacy



## Original Color

43.3868, 21.9090, 22.7110



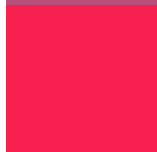
## Protanomaly

24.6343, 16.2829, 37.4418



## Deuteranomaly

26.2110, 17.3577, 20.7078



## Tritanomaly

40.2856, 21.3717, 9.3990

# Monochromacy



## Original Color

43.3868, 21.9090, 22.7110



## Achromatopsia

9.4954, 9.9899, 10.8790



## Achromatomaly

16.1746, 10.2216, 14.2172

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.3868, 21.9090, 22.7110 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(250, 0, 129)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 129)  
}
```

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(250, 0, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3868, 21.9090, 22.7110 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(250, 0, 129) }
```



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

```
.border{ border-color:rgb(250, 0, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 129);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3868, 21.9090, 22.7110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 129) }
```

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

```
.background{ background-color: rgb(250, 0,  
129) }
```

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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