

# Converting Colors

XYZ(43.8672, 21.9922, 30.1626)

Have a look what the booklet for  
XYZ(43.8672, 21.9922, 30.1626)  
contains.

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# Color

**XYZ(43.7826, 21.9441,  
30.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F70095
RGB	247, 0, 149
RGB Percent	97%, 0%, 58%
CMY	0.0314, 0.9998, 0.4157
CMYK	0.00, 1.00, 0.40, 0.03
HSL	324°, 100%, 48%
HSV	324°, 100%, 97%
XYZ	43.7826, 21.9441, 30.3618
YIQ	90.8390, 99.3830, 98.7030

# Conversions

## Conversions Part 2

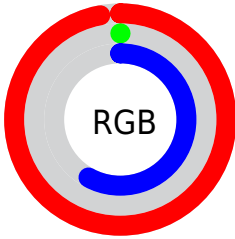
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 0, 149
Decimal	16187541
CIE <sub>Lab</sub>	53.97, 84.57, -10.03
CIE <sub>LCh</sub>	54, 85.159, 353.237
Yxy	21.9441, 0.4556, 0.2284
Android (android.graphics.Color)	4294377621 (0xFFFF70095)
YUV	90.8390, 28.6734, 136.9532
Hunter-Lab	46.8445, 84.8547, -5.6370

# Details

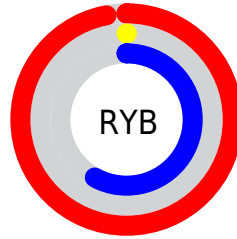
The XYZ color **43.7826, 21.9441, 30.3618** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **35.4689, 67.4048, 22.7109**, and the grayscale version is **9.8362, 10.3484, 11.2694**.

A 20% lighter version of the original color is **56.4813, 34.4955, 60.1813**, and **21.9718, 11.0722, 12.5344** is the 20% darker color. If you saturate the color by 10%, you get **43.7807, 21.9433, 30.3521**, and if you desaturate by 10%, it is **44.9411, 22.9555, 34.7734**.

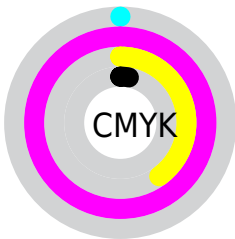
# Distribution



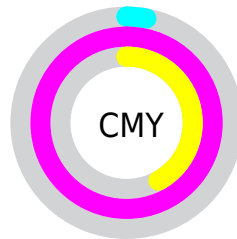
- Red (97%)
- Green (0%)
- Blue (58%)



- Red (97%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7826, 21.9441, 30.3618 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 43.7826, 21.9441, 30.3618 by changing the saturation by 10% instead.





 43.7826, 21.9441,  
30.3618


 43.7826, 21.9441,  
30.3618


352.6876,  
262.2542, 317.8469


 30.6968, 13.8158,  
19.8590


 80.1389, 46.6536,  
61.3016


 20.5188, 7.9927,  
12.1095

 104.1401, 64.0036,  
82.5757


 12.8832, 4.0903,  
6.6949

 132.5105, 85.1963,  
108.2773

 7.4246, 1.7242,  
3.1965

 165.6154,  
110.6161, 138.8250

 3.7777, 0.4392,  
1.1958

 203.8202,  
140.6474, 174.6372

 1.5772, 0.0000,  
0.0000

247.4903,

 0.3774, 0.0000,

175.6746, 216.1326

0.0000

296.9910,  
216.0821, 263.7297

■ 0.0000, 0.0000,  
0.0000

■ 43.7826, 21.9441,  
30.3618

■ 43.7826, 21.9441,  
30.3618

■ 43.7807, 21.9433,  
30.3521

■ 44.9411, 22.9555,  
34.7734

■ 46.5998, 24.8591,  
39.6842

■ 48.8940, 27.9237,  
45.1470

■ 51.9060, 32.3110,  
51.1964

■ 55.7047, 38.1570,  
57.8623

■ 60.3507, 45.5803,  
65.1718

■ 65.8982, 54.6875,  
73.1494

■ 72.3970, 65.5759,  
81.8181

■ 79.8929, 78.3350,  
91.1996

# Harmonies

## Analogous

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



38.4551, 21.9441, 68.7769



43.7826, 21.9441, 30.3618



41.6694, 21.9441, 8.9736

# Triad

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



43.7826, 21.9441, 30.3618



14.6342, 21.9441, 1.0362



11.9689, 21.9441, 91.6779

# Complementary

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



43.7826, 21.9441, 30.3618



35.4689, 67.4048, 22.7109

# 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.



8.4701, 21.9441, 49.9335



43.7826, 21.9441, 30.3618



9.6632, 21.9441, 4.6017

# Square

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



43.7826, 21.9441, 30.3618



23.0080, 21.9441, 0.5929



7.7717, 21.9441, 18.4159



18.8448, 21.9441, 117.5998



# Rectangle

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



43.7826, 21.9441, 30.3618



36.5589, 21.9441, 3.2908



7.7717, 21.9441, 18.4159



10.4516, 21.9441, 78.0199

# Sweetspot

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



43.7832, 21.9454, 30.3621



70.8017, 58.7168, 78.5792



21.4794, 9.1346, 88.6267



14.5899, 11.6352, 16.0252



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.



43.7832, 21.9454, 30.3621



47.0563, 23.5865, 32.5580



38.5785, 19.8635, 2.9546



16.9189, 16.6504, 19.3195



23.2262, 11.6339, 16.4312



2.0919, 1.0427, 1.7104



# Inverse Universe

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



43.7832, 21.9454, 30.3621



47.0563, 23.5865, 32.5580



45.9413, 71.5938, 77.8579



16.9189, 16.6504, 19.3195



23.2262, 11.6339, 16.4312



2.0919, 1.0427, 1.7104



# Previews

## White Background



This preview shows how the XYZ color 43.7826, 21.9441, 30.3618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

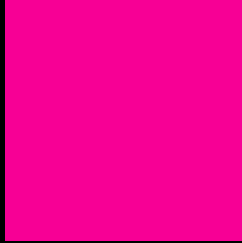
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7826, 21.9441, 30.3618 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 43.7826, 21.9441, 30.3618**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7826, 21.9441, 30.3618.



This preview shows how white text looks on a background with the XYZ color 43.7826, 21.9441,

30.3618.

# 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

43.7826, 21.9441, 30.3618

### Protanopia

24.6806, 22.7802, 66.7145

### Deuteranopia

22.8243, 22.5027, 27.1852



## Tritanopia

39.0242, 22.3421, 6.6705

# Trichromacy



## Original Color

43.7826, 21.9441, 30.3618



## Protanomaly

24.9992, 16.1819, 50.5210



## Deuteranomaly

26.1850, 17.3028, 27.5509



## Tritanomaly

39.9771, 21.4096, 12.3814

# Monochromacy



## Original Color

43.7826, 21.9441, 30.3618



## Achromatopsia

9.9438, 10.4616, 11.3927



## Achromatomaly

16.6504, 10.4919, 16.4768

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7826, 21.9441, 30.3618 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(247, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 149)  
}
```

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(247, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7826, 21.9441, 30.3618 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(247, 0, 149) }
```



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

```
.border{ border-color:rgb(247, 0, 149) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7826, 21.9441, 30.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 149) }
```

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

```
.background{ background-color: rgb(247, 0,  
149) }
```

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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