

# Converting Colors

XYZ(42.4713, 21.9758, 21.7419)

Have a look what the booklet for  
XYZ(42.4713, 21.9758, 21.7419)  
contains.

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# Color

**XYZ(42.4713, 21.9758,  
21.7419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7197E
RGB	247, 25, 126
RGB Percent	97%, 10%, 49%
CMY	0.0314, 0.9018, 0.5059
CMYK	0.00, 0.90, 0.49, 0.03
HSL	333°, 93%, 53%
HSV	333°, 90%, 97%
XYZ	42.4713, 21.9758, 21.7419
YIQ	102.8920, 99.8910, 78.4750

# Conversions

## Conversions Part 2

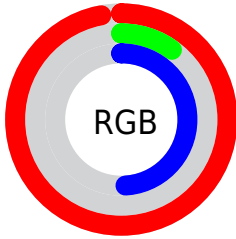
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">247, 25, 126</a>
Decimal	<a href="#">16193918</a>
CIELab	<a href="#">54.00, 80.53, 3.79</a>
CIELCh	<a href="#">54, 80.617, 2.697</a>
Yxy	<a href="#">21.9758, 0.4928, 0.2550</a>
Android (android.graphics.Color)	<a href="#">4294383998</a> ( <a href="#">0xFFFF7197E</a> )
YUV	<a href="#">102.8920, 11.3922, 126.3827</a>
Hunter-Lab	<a href="#">46.8784, 79.6820, 5.3165</a>

# Details

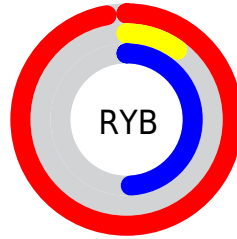
The XYZ color **42.4713, 21.9758, 21.7419** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **38.8531, 68.8047, 38.4399**, and the grayscale version is **12.8204, 13.4881, 14.6885**.

A 20% lighter version of the original color is **54.2262, 34.3750, 45.8965**, and **21.1067, 10.7262, 7.9791** is the 20% darker color. If you saturate the color by 10%, you get **41.3158, 20.9631, 17.3548**, and if you desaturate by 10%, it is **44.1811, 23.9102, 26.8910**.

# Distribution



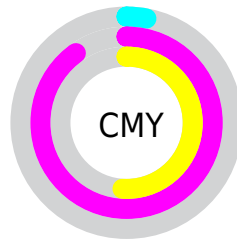
- Red (97%)
- Green (10%)
- Blue (49%)



- Red (97%)
- Yellow (10%)
- Blue (49%)



- Cyan (0%)
- Magenta (90%)
- Yellow (49%)
- Black (3%)



- Cyan (3%)
- Magenta (90%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4713, 21.9758, 21.7419 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 42.4713, 21.9758, 21.7419 by changing the saturation by 10% instead.




 42.4713, 21.9758,  
21.7419


 42.4713, 21.9758,  
21.7419


347.3914,  
262.4199, 274.1048


 29.6632, 13.8391,  
13.4709


 78.1731, 46.7060,  
47.2157


 19.7299, 8.0089,  
7.6191


 101.7976, 64.0683,  
65.2557


 12.3060, 4.1006,  
3.7679


 129.7582, 85.2746,  
87.3889

 7.0261, 1.7300,  
1.4989

 162.4204,  
110.7093, 114.0341

 3.5249, 0.4430,  
0.2171

 200.1494,  
140.7568, 145.6098

 1.4370, 0.0000,  
0.0000

243.3107,

 0.2824, 0.0000,

175.8014, 182.5344

0.0000

292.2696,  
216.2277, 225.2266

■ 0.0000, 0.0000,  
0.0000

■ 42.4713, 21.9758,  
21.7419

■ 42.4713, 21.9758,  
21.7419

■ 41.3158, 20.9631,  
17.3548

■ 44.1811, 23.9102,  
26.8910

■ 41.3021, 20.9519,  
17.3002

■ 46.5793, 27.0271,  
32.8681

■ 49.7511, 31.4905,  
39.7222

■ 53.7681, 37.4369,  
47.4965

■ 58.6929, 44.9859,  
56.2308

64.5822, 54.2449,  
65.9617

71.4878, 65.3118,  
76.7237

79.4576, 78.2772,  
88.5495

88.5364, 93.2254,  
101.4700

# Harmonies

## Analogous

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



39.5759, 21.9758, 53.3484



42.4713, 21.9758, 21.7419



38.3818, 21.9758, 6.2483

# Triad

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



42.4713, 21.9758, 21.7419



13.0858, 21.9758, 2.0091



14.1105, 21.9758, 96.8264

# Complementary

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



42.4713, 21.9758, 21.7419



38.8531, 68.8047, 38.4399

# 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.



9.7286, 21.9758, 60.2994



42.4713, 21.9758, 21.7419



9.2629, 21.9758, 7.9846

# Square

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



42.4713, 21.9758, 21.7419



20.1094, 21.9758, 0.8794



8.2300, 21.9758, 26.2557



21.6851, 21.9758, 110.8867



# Rectangle

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



42.4713, 21.9758, 21.7419



32.7651, 21.9758, 2.4634



8.2300, 21.9758, 26.2557



12.2953, 21.9758, 85.9215

# Sweetspot

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



42.4719, 21.9771, 21.7422



71.4159, 61.4752, 74.0673



28.5364, 13.2888, 89.0564



14.7742, 12.3437, 15.0384



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.



42.4719, 21.9771, 21.7422



44.3920, 22.5208, 18.5283



39.0617, 20.9008, 2.8970



16.8126, 16.6079, 18.7596



21.9130, 11.1086, 9.5161



1.9771, 0.9968, 1.1057



# Inverse Universe

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



42.4719, 21.9771, 21.7422



44.3920, 22.5208, 18.5283



48.2328, 69.0078, 98.7731



16.8126, 16.6079, 18.7596



21.9130, 11.1086, 9.5161



1.9771, 0.9968, 1.1057



# Previews

## White Background



This preview shows how the XYZ color 42.4713, 21.9758, 21.7419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

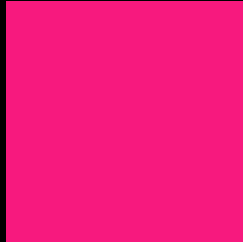
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4713, 21.9758, 21.7419 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 42.4713, 21.9758, 21.7419**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4713, 21.9758, 21.7419.



This preview shows how white text looks on a background with the XYZ color 42.4713, 21.9758,

21.7419.

# 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

42.4713, 21.9758, 21.7419

### Protanopia

22.9261, 22.3379, 45.7511

### Deuteranopia

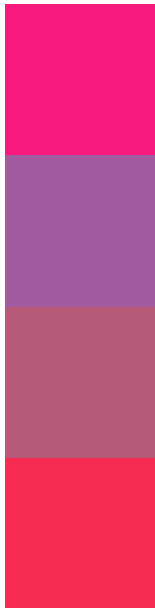
22.5186, 22.1312, 19.6079



## Tritanopia

39.3170, 22.1473, 5.8170

# Trichromacy



## Original Color

42.4713, 21.9758, 21.7419

## Protanomaly

25.1905, 17.8068, 35.3671

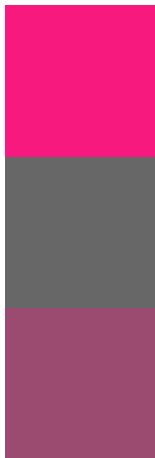
## Deuteranomaly

26.4910, 18.5681, 19.9571

## Tritanomaly

40.0053, 21.7343, 9.8712

# Monochromacy



## Original Color

42.4713, 21.9758, 21.7419

## Achromatopsia

12.8919, 13.5633, 14.7705

## Achromatomaly

18.9029, 13.1484, 16.5805

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4713, 21.9758, 21.7419 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, 25, 126)` looks like.

```
.text, #text, p{  
    color:rgb(247, 25, 126)  
}
```

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, 25, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 25, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4713, 21.9758, 21.7419 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, 25, 126) }
```



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

```
.border{ border-color:rgb(247, 25, 126) }
```

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

Here you see how a box with a 4 pixel rgb(247, 25, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 25, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 25, 126);  
box-shadow:4px 4px 4px 4px rgb(247, 25,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4713, 21.9758, 21.7419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 25, 126) }
```

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

```
.background{ background-color: rgb(247, 25,  
126) }
```

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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