

# Converting Colors

XYZ(42.2159, 21.3183, 27.2122)

Have a look what the booklet for  
XYZ(42.2159, 21.3183, 27.2122)  
contains.

<b>XYZ(42.1919, 21.3081, 27.0884)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(42.1919, 21.3081,  
27.0884)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4078D
RGB	244, 7, 141
RGB Percent	96%, 3%, 55%
CMY	0.0431, 0.9723, 0.4471
CMYK	0.00, 0.97, 0.42, 0.04
HSL	326°, 94%, 49%
HSV	326°, 97%, 96%
XYZ	42.1919, 21.3081, 27.0884
YIQ	93.1390, 98.2380, 91.9180

# Conversions

## Conversions Part 2

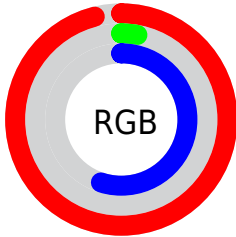
<b>Format</b>	<b>Color</b>
<b>RYB</b>	244, 7, 141
Decimal	15992717
CIELab	53.29, 82.77, -6.33
CIELCh	53, 83.016, 355.627
Yxy	21.3081, 0.4658, 0.2352
Android (android.graphics.Color)	4294182797 (0xFFFF4078D)
YUV	93.1390, 23.5955, 132.3051
Hunter-Lab	46.1607, 82.3717, -2.4806

# Details

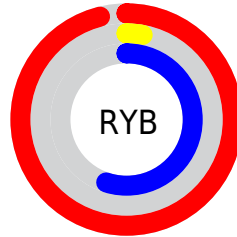
The XYZ color **42.1919, 21.3081, 27.0884** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **35.2565, 65.8738, 25.6244**, and the grayscale version is **10.3747, 10.9150, 11.8865**.

A 20% lighter version of the original color is **55.4394, 34.0787, 54.6948**, and **20.9444, 10.5791, 10.8356** is the 20% darker color. If you saturate the color by 10%, you get **41.8908, 21.0661, 25.8776**, and if you desaturate by 10%, it is **43.4455, 22.4912, 31.5887**.

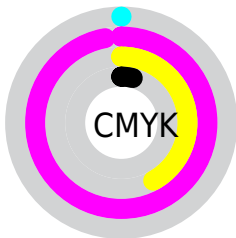
# Distribution



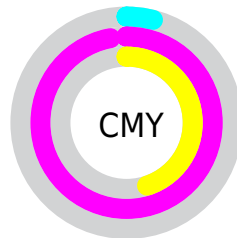
- Red (96%)
- Green (3%)
- Blue (55%)



- Red (96%)
- Yellow (3%)
- Blue (55%)



- Cyan (0%)
- Magenta (97%)
- Yellow (42%)
- Black (4%)




- Cyan (4%)
- Magenta (97%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1919, 21.3081, 27.0884 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 42.1919, 21.3081, 27.0884 by changing the saturation by 10% instead.




 42.1919, 21.3081,  
27.0884


 42.1919, 21.3081,  
27.0884


346.2559,  
258.9114, 301.8586


 29.4433, 13.3494,  
17.4066


 77.7533, 45.5997,  
56.0312


 19.5624, 7.6696,  
10.3598


 101.2969, 62.7015,  
76.1292


 12.1838, 3.8843,  
5.5294


 129.1695, 83.6197,  
100.5364

 6.9421, 1.6090,  
2.4970

 161.7366,  
108.7387, 129.6713

 3.4719, 0.3637,  
0.8386

 199.3634,  
138.4430, 163.9524

 1.4079, 0.0000,  
0.0000

242.4153,

 0.2619, 0.0000,

173.1169, 203.7983

0.0000

291.2577,  
213.1449, 249.6275

■ 0.0000, 0.0000,  
0.0000

■ 42.1919, 21.3081,  
27.0884

■ 42.1919, 21.3081,  
27.0884

■ 41.8908, 21.0661,  
25.8776

■ 43.4455, 22.4912,  
31.5887

■ 45.2560, 24.6637,  
36.6574

■ 47.7211, 28.0181,  
42.3369

■ 50.9165, 32.7030,  
48.6618

■ 54.9072, 38.8449,  
55.6627

■ 59.7503, 46.5555,  
63.3672

■ 65.4974, 55.9356,  
71.8011

■ 72.1962, 67.0773,  
80.9884

■ 79.8906, 80.0661,  
90.9517

# Harmonies

## Analogous

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



37.6359, 21.3081, 62.6263



42.1919, 21.3081, 27.0884



39.6164, 21.3081, 7.9386

# Triad

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



42.1919, 21.3081, 27.0884



13.7910, 21.3081, 1.2080



12.1354, 21.3081, 90.4028

# Complementary

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



42.1919, 21.3081, 27.0884



35.2565, 65.8738, 25.6244

# 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.



8.5224, 21.3081, 51.0392



42.1919, 21.3081, 27.0884



9.2663, 21.3081, 5.2054

# Square

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



42.1919, 21.3081, 27.0884



21.5681, 21.3081, 0.6359



7.6488, 21.3081, 19.7043



18.9919, 21.3081, 112.5687



# Rectangle

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



42.1919, 21.3081, 27.0884



34.5090, 21.3081, 2.9571



7.6488, 21.3081, 19.7043



10.5887, 21.3081, 77.7946

# Sweetspot

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



42.1925, 21.3093, 27.0887



71.0736, 59.6479, 77.4760



22.8028, 9.9826, 86.3128



14.6229, 11.8028, 15.7231



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.



42.1925, 21.3093, 27.0887



46.2856, 23.2782, 28.4999



37.5379, 19.4475, 2.5781



16.8916, 16.6395, 19.1755



22.8478, 11.4826, 14.4389



2.0596, 1.0298, 1.5405



# Inverse Universe

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



42.1925, 21.3093, 27.0887



46.2856, 23.2782, 28.4999



46.4708, 70.3596, 84.6785



16.8916, 16.6395, 19.1755



22.8478, 11.4826, 14.4389



2.0596, 1.0298, 1.5405



# Previews

## White Background



This preview shows how the XYZ color 42.1919, 21.3081, 27.0884 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 42.1919, 21.3081, 27.0884 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 42.1919, 21.3081, 27.0884**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1919, 21.3081, 27.0884.



This preview shows how white text looks on a background with the XYZ color 42.1919, 21.3081,



# 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

42.1919, 21.3081, 27.0884

### Protanopia

23.3771, 21.8953, 58.8712

### Deuteranopia

22.1196, 21.6294, 24.4818



## Tritanopia

37.7493, 21.4745, 6.0263

# Trichromacy



## Original Color

42.1919, 21.3081, 27.0884



## Protanomaly

24.2804, 16.1572, 45.0190



## Deuteranomaly

25.6757, 17.0991, 24.8689



## Tritanomaly

38.7302, 20.7916, 11.2044

# Monochromacy



## Original Color

42.1919, 21.3081, 27.0884



## Achromatopsia

10.4043, 10.9462, 11.9204



## Achromatomaly

16.7498, 10.8669, 15.9666

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1919, 21.3081, 27.0884 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(244, 7, 141)` looks like.

```
.text, #text, p{  
    color:rgb(244, 7, 141)  
}
```

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(244, 7, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 7, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1919, 21.3081, 27.0884 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(244, 7, 141) }
```



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

```
.border{ border-color:rgb(244, 7, 141) }
```

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

Here you see how a box with a 4 pixel rgb(244, 7, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 7, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 7, 141);  
box-shadow:4px 4px 4px 4px rgb(244, 7,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1919, 21.3081, 27.0884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 7, 141) }
```

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

```
.background{ background-color: rgb(244, 7,  
141) }
```

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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