

# Converting Colors

XYZ(39.4352, 21.1033, 9.8022)

Have a look what the booklet for  
XYZ(39.4352, 21.1033, 9.8022)  
contains.

|                                                |    |
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# Color

**XYZ(39.4243, 21.0889,  
9.7773)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | F42451                      |
| RGB         | 244, 36, 81                 |
| RGB Percent | 96%, 14%, 32%               |
| CMY         | 0.0431, 0.8587, 0.6824      |
| CMYK        | 0.00, 0.85, 0.67, 0.04      |
| HSL         | 347°, 90%, 55%              |
| HSV         | 347°, 85%, 96%              |
| XYZ         | 39.4243, 21.0889, 9.7773    |
| YIQ         | 103.3220, 109.5230, 58.0910 |

# Conversions

## Conversions Part 2

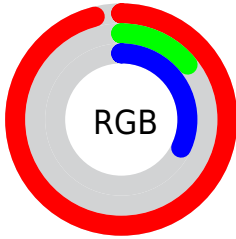
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>R<sub>YB</sub></b>               | 244, 36, 81                     |
| Decimal                             | 16000081                        |
| CIE <sub>Lab</sub>                  | 53.05, 75.27, 29.49             |
| CIE <sub>LCh</sub>                  | 53, 80.842, 21.391              |
| Yxy                                 | 21.0889, 0.5609,<br>0.3000      |
| Android<br>(android.graphics.Color) | 4294190161<br>(0xFFFF42451)     |
| YUV                                 | 103.3220, -11.0047,<br>123.3746 |
| Hunter-Lab                          | 45.9227, 72.8765,<br>19.5225    |

# Details

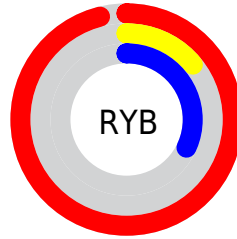
The XYZ color **39.4243, 21.0889, 9.7773** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **43.3901, 69.2010, 65.1161**, and the grayscale version is **12.9882, 13.6646, 14.8807**.

A 20% lighter version of the original color is **50.5270, 33.3871, 24.9004**, and **18.9243, 9.7173, 2.6285** is the 20% darker color. If you saturate the color by 10%, you get **38.3011, 19.8333, 6.3494**, and if you desaturate by 10%, it is **41.2523, 23.4316, 14.4365**.

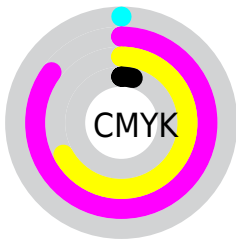
# Distribution



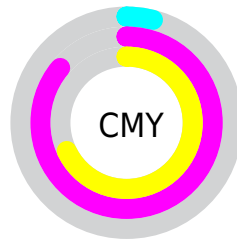
- Red (96%)
- Green (14%)
- Blue (32%)



- Red (96%)
- Yellow (14%)
- Blue (32%)



- Cyan (0%)
- Magenta (85%)
- Yellow (67%)
- Black (4%)




- Cyan (4%)
- Magenta (86%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4243, 21.0889, 9.7773 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 39.4243, 21.0889, 9.7773 by changing the saturation by 10% instead.





 39.4243, 21.0889,  
9.7773


 39.4243, 21.0889,  
9.7773


334.8673,  
257.7506, 199.5019


 27.2722, 13.1890,  
5.1479


 73.5760, 45.2354,  
25.9770

 17.9154, 7.5588,  
2.2740


 96.3063, 62.2509,  
38.3844


 10.9886, 3.8140,  
0.7166


 123.2933, 83.0736,  
54.2215

 6.1264, 1.5701,  
0.0000

 154.9024,  
108.0880, 73.9069

 2.9635, 0.3373,  
0.0000

 191.4990,  
137.6785, 97.8590

 1.1345, 0.0000,  
0.0000

233.4485,

 0.0537, 0.0000,

172.2295, 126.4966

0.0000

281.1161,  
212.1254, 160.2380

■ 0.0000, 0.0000,  
0.0000

■ 39.4243, 21.0889,  
9.7773

■ 39.4243, 21.0889,  
9.7773

■ 38.3011, 19.8333,  
6.3494

■ 41.2523, 23.4316,  
14.4365


■ 37.9453, 19.4879,  
5.1019


■ 43.8872, 27.0399,  
20.4367


■ 47.4147, 32.0635,  
27.8753


■ 51.9090, 38.6302,  
36.8399

■ 57.4363, 46.8533,  
47.4110

 64.0567, 56.8358,  
59.6633

 71.8258, 68.6717,  
73.6666

 80.7953, 82.4489,  
89.4867

 90.8149, 97.8517,  
107.1199

# Harmonies

## Analogous

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



40.9203, 21.0889, 30.7007



39.4243, 21.0889, 9.7773



32.0622, 21.0889, 2.3741

# Triad

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



39.4243, 21.0889, 9.7773



9.7981, 21.0889, 4.3939



17.6973, 21.0889, 107.2211

# Complementary

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



39.4243, 21.0889, 9.7773



43.3901, 69.2010, 65.1161

# 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.



11.4818, 21.0889, 82.3459



39.4243, 21.0889, 9.7773



7.8434, 21.0889, 16.6474

# Square

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



39.4243, 21.0889, 9.7773



14.6576, 21.0889, 1.1415



8.3578, 21.0889, 44.5990



26.6116, 21.0889, 99.8659



# Rectangle

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



39.4243, 21.0889, 9.7773



25.7216, 21.0889, 1.0397



8.3578, 21.0889, 44.5990



15.2707, 21.0889, 101.9498

# Sweetspot

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



39.4248, 21.0902, 9.7776



70.1572, 61.8399, 64.7625



40.4973, 19.9283, 87.2995



14.4502, 12.3801, 12.8209



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.



39.4248, 21.0902, 9.7776



41.9331, 21.5373, 5.5800



41.7144, 27.5358, 4.7872



16.6458, 16.5412, 17.8813



20.6736, 10.6129, 2.9894



1.8536, 0.9474, 0.4553



# Inverse Universe

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



39.4248, 21.0902, 9.7776



41.9331, 21.5373, 5.5800



34.4215, 41.6354, 91.8097



16.6458, 16.5412, 17.8813



20.6736, 10.6129, 2.9894



1.8536, 0.9474, 0.4553



# Previews

## White Background



This preview shows how the XYZ color 39.4243, 21.0889, 9.7773 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

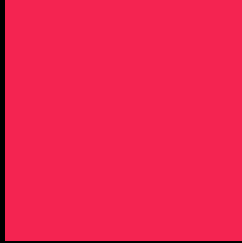
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4243, 21.0889, 9.7773 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 39.4243, 21.0889, 9.7773**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4243, 21.0889, 9.7773.



This preview shows how white text looks on a background with the XYZ color 39.4243, 21.0889,



# 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

39.4243, 21.0889, 9.7773

### Protanopia

20.1996, 21.3221, 19.2706

### Deuteranopia

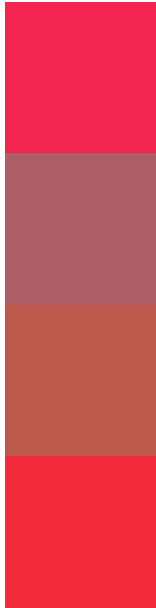
21.4604, 21.0855, 8.7332



## Tritanopia

38.3742, 21.1209, 4.5368

# Trichromacy



## Original Color

39.4243, 21.0889, 9.7773

## Protanomaly

23.6845, 17.8689, 15.0327

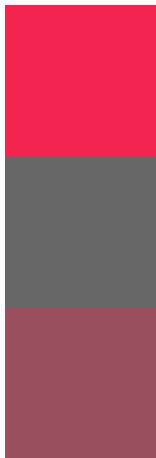
## Deuteranomaly

25.3857, 18.3715, 8.6867

## Tritanomaly

38.5538, 21.0161, 6.0275

# Monochromacy



## Original Color

39.4243, 21.0889, 9.7773

## Achromatopsia

12.8919, 13.5633, 14.7705

## Achromatomaly

18.1880, 13.2882, 12.4327

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4243, 21.0889, 9.7773 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, 36, 81)` looks like.

```
.text, #text, p{  
    color:rgb(244, 36, 81)  
}
```

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, 36, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 36, 81) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4243, 21.0889, 9.7773 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, 36, 81) }
```



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

```
.border{ border-color:rgb(244, 36, 81) }
```

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

Here you see how a box with a 4 pixel rgb(244, 36, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 36, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 36, 81);  
box-shadow:4px 4px 4px 4px rgb(244, 36,  
81) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4243, 21.0889, 9.7773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 36, 81) }
```

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

```
.background{ background-color: rgb(244, 36,  
81) }
```

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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