

# Converting Colors

XYZ(44.5028, 24.1793, 23.1399)

Have a look what the booklet for  
XYZ(44.5028, 24.1793, 23.1399)  
contains.

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# Color

**XYZ(44.5274, 24.1902,  
23.0912)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FA3281
RGB	250, 50, 129
RGB Percent	98%, 20%, 51%
CMY	0.0196, 0.8039, 0.4941
CMYK	0.00, 0.80, 0.48, 0.02
HSL	336°, 95%, 59%
HSV	336°, 80%, 98%
XYZ	44.5274, 24.1902, 23.0912
YIQ	118.8060, 93.8410, 66.9690

# Conversions

## Conversions Part 2

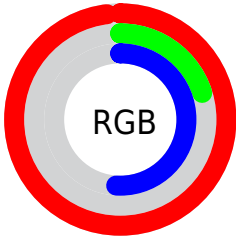
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 50, 129
Decimal	16396929
CIE <sub>Lab</sub>	56.28, 76.79, 5.35
CIE <sub>LCh</sub>	56, 76.973, 3.984
Yxy	24.1902, 0.4850, 0.2635
Android (android.graphics.Color)	4294587009 (0xFFFA3281)
YUV	118.8060, 5.0256, 115.0571
Hunter-Lab	49.1835, 75.5305, 6.5924

# Details

The XYZ color **44.5274, 24.1902, 23.0912** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **42.8540, 71.9905, 50.1732**, and the grayscale version is **17.4396, 18.3478, 19.9808**.

A 20% lighter version of the original color is **56.0448, 37.3600, 48.5133**, and **21.9415, 11.1440, 8.5840** is the 20% darker color. If you saturate the color by 10%, you get **42.8023, 22.2320, 17.9173**, and if you desaturate by 10%, it is **46.9852, 27.3759, 29.2440**.

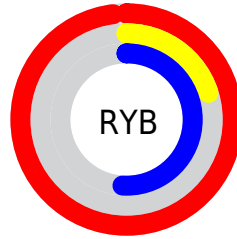
# Distribution



Red (98%)

Green (20%)

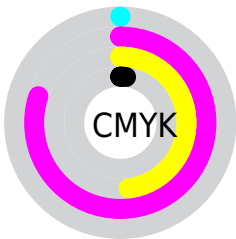
Blue (51%)



Red (98%)

Yellow (20%)

Blue (51%)

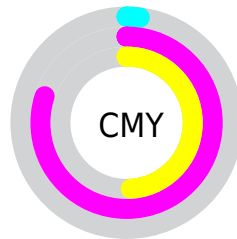


Cyan (0%)

Magenta (80%)

Yellow (48%)

Black (2%)



Cyan (2%)

Magenta (80%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5274, 24.1902, 23.0912 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 44.5274, 24.1902, 23.0912 by changing the saturation by 10% instead.





 44.5274, 24.1902,  
23.0912

 44.5274, 24.1902,  
23.0912


355.6721,  
273.7807, 281.3302


 31.2850, 15.4748,  
14.4549

 81.2522, 50.3404,  
49.4681


 20.9689, 9.1533,  
8.2954


 105.4654, 68.5440,  
68.0459


 13.2136, 4.8413,  
4.1941


 134.0661, 90.6790,  
90.7745

 7.6538, 2.1544,  
1.7324

 167.4199,  
117.1300, 118.0726

 3.9242, 0.6950,  
0.3828

 205.8921,  
148.2812, 150.3587

 1.6593, 0.0000,  
0.0000

249.8479,

 0.4306, 0.0000,

184.5172, 188.0512

0.0000

299.6528,  
226.2222, 231.5689

■ 0.0000, 0.0000,  
0.0000

■ 44.5274, 24.1902,  
23.0912

■ 44.5274, 24.1902,  
23.0912

■ 42.8023, 22.2320,  
17.9173

■ 46.9852, 27.3759,  
29.2440

■ 41.6645, 21.2203,  
13.6413


■ 50.2630, 31.9536,  
36.4345


■ 41.6638, 21.2198,  
13.6386


■ 54.4370, 38.0663,  
44.7168


■ 59.5736, 45.8382,  
54.1400

■ 65.7325, 55.3805,  
64.7497

 72.9686, 66.7949,  
76.5889

 81.3327, 80.1750,  
89.6980

 90.8720, 95.6085,  
104.1156

 93.2342, 99.0639,  
108.8150

# Harmonies

## Analogous

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



41.9595, 24.1902, 54.0702



44.5274, 24.1902, 23.0912



40.2159, 24.1902, 7.3927

# Triad

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



44.5274, 24.1902, 23.0912



14.7212, 24.1902, 3.0577



16.2979, 24.1902, 99.0528

# Complementary

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



44.5274, 24.1902, 23.0912



42.8540, 71.9905, 50.1732

# 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.



11.5583, 24.1902, 64.1237



44.5274, 24.1902, 23.0912



10.8257, 24.1902, 10.2075

# Square

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



44.5274, 24.1902, 23.0912



21.8281, 24.1902, 1.4892



9.8372, 24.1902, 29.8779



24.1966, 24.1902, 111.1917



# Rectangle

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



44.5274, 24.1902, 23.0912



34.5392, 24.1902, 3.3000



9.8372, 24.1902, 29.8779



14.3566, 24.1902, 88.8252

# Sweetspot

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



44.5280, 24.1916, 23.0916



73.1384, 64.8150, 74.9655



34.9756, 17.7316, 92.0213



15.0841, 12.9743, 15.1085



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.



44.5280, 24.1916, 23.0916



43.9984, 22.5405, 15.9097



42.1914, 24.9366, 5.6091



17.5285, 17.3388, 19.3729



22.1658, 11.2820, 7.5815



2.1035, 1.0651, 0.9682



# Inverse Universe

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



44.5280, 24.1916, 23.0916



43.9984, 22.5405, 15.9097



46.8687, 64.1751, 100.3590



17.5285, 17.3388, 19.3729



22.1658, 11.2820, 7.5815



2.1035, 1.0651, 0.9682



# Previews

## White Background



This preview shows how the XYZ color 44.5274, 24.1902, 23.0912 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 44.5274, 24.1902, 23.0912 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 44.5274, 24.1902, 23.0912**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.5274, 24.1902, 23.0912.



This preview shows how white text looks on a background with the XYZ color 44.5274, 24.1902,



# 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

44.5274, 24.1902, 23.0912

### Protanopia

24.6738, 24.4699, 44.4970

### Deuteranopia

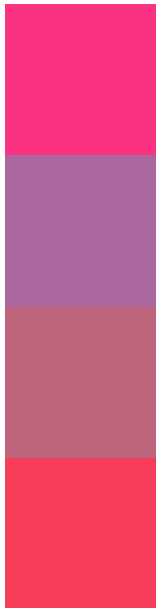
24.6388, 24.1672, 20.8189



## Tritanopia

41.4704, 24.2307, 8.2856

# Trichromacy



## Original Color

44.5274, 24.1902, 23.0912

## Protanomaly

27.6858, 20.7497, 35.3468

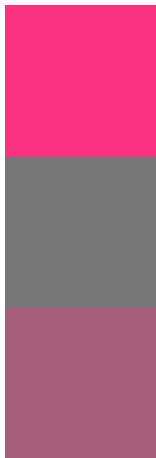
## Deuteranomaly

29.2151, 21.5562, 21.3599

## Tritanomaly

42.2685, 24.0493, 12.3117

# Monochromacy



## Original Color

44.5274, 24.1902, 23.0912

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

23.5142, 17.6510, 20.9065

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5274, 24.1902, 23.0912 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, 50, 129)` looks like.

```
.text, #text, p{  
    color:rgb(250, 50, 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, 50, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 50, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5274, 24.1902, 23.0912 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, 50, 129) }
```



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

```
.border{ border-color:rgb(250, 50, 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, 50, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 50, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 50, 129);  
box-shadow:4px 4px 4px 4px rgb(250, 50,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5274, 24.1902, 23.0912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 50, 129) }
```

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

```
.background{ background-color: rgb(250, 50,  
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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