

# Converting Colors

XYZ(44.6440, 24.2366, 23.4720)

Have a look what the booklet for  
XYZ(44.6440, 24.2366, 23.4720)  
contains.

<b>XYZ(44.5942, 24.2169, 23.4430)</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(44.5942, 24.2169,  
23.4430)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FA3282
RGB	250, 50, 130
RGB Percent	98%, 20%, 51%
CMY	0.0196, 0.8039, 0.4902
CMYK	0.00, 0.80, 0.48, 0.02
HSL	336°, 95%, 59%
HSV	336°, 80%, 98%
XYZ	44.5942, 24.2169, 23.4430
YIQ	118.9200, 93.5200, 67.2800

# Conversions

## Conversions Part 2

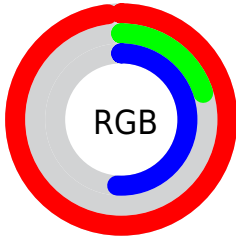
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 50, 130
Decimal	16396930
CIE <sub>Lab</sub>	56.30, 76.87, 4.79
CIE <sub>LCh</sub>	56, 77.016, 3.567
Yxy	24.2169, 0.4834, 0.2625
Android (android.graphics.Color)	4294587010 (0xFFFA3282)
YUV	118.9200, 5.4624, 114.9572
Hunter-Lab	49.2107, 75.6362, 6.2029

# Details

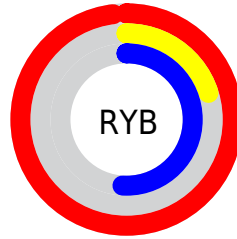
The XYZ color **44.5942, 24.2169, 23.4430** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **42.7590, 71.9525, 49.6729**, and the grayscale version is **17.4743, 18.3843, 20.0205**.

A 20% lighter version of the original color is **56.1485, 37.4015, 49.0596**, and **21.9787, 11.1589, 8.7801** is the 20% darker color. If you saturate the color by 10%, you get **42.8667, 22.2577, 18.2562**, and if you desaturate by 10%, it is **47.0524, 27.4028, 29.5980**.

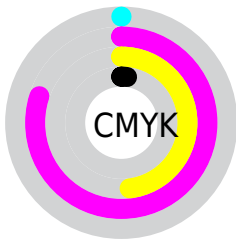
# Distribution



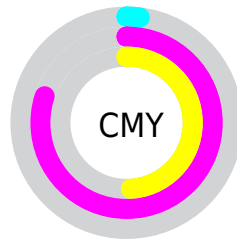
- Red (98%)
- Green (20%)
- Blue (51%)



- 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 44.5942, 24.2169, 23.4430 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 44.5942, 24.2169, 23.4430 by changing the saturation by 10% instead.





 44.5942, 24.2169,  
23.4430


 44.5942, 24.2169,  
23.4430


355.9390,  
273.9152, 283.1875


 31.3378, 15.4946,  
14.7126


 81.3519, 50.3839,  
50.0521


 21.0093, 9.1672,  
8.4735


 105.5840, 68.5974,  
68.7679


 13.2433, 4.8504,  
4.3073


 134.2054, 90.7434,  
91.6492

 7.6745, 2.1598,  
1.7954

 167.5814,  
117.2064, 119.1145

 3.9374, 0.6979,  
0.4249

 206.0774,  
148.3706, 151.5825

 1.6668, 0.0000,  
0.0000

250.0588,

 0.4353, 0.0000,

184.6206, 189.4717

0.0000

299.8908,  
226.3407, 233.2005

■ 0.0000, 0.0000,  
0.0000

■ 44.5942, 24.2169,  
23.4430

■ 44.5942, 24.2169,  
23.4430

■ 42.8667, 22.2577,  
18.2562

■ 47.0524, 27.4028,  
29.5980

■ 41.7246, 21.2444,  
13.9575


■ 50.3284, 31.9797,  
36.7790


■ 41.7239, 21.2438,  
13.9548


■ 54.4982, 38.0907,  
45.0393


■ 59.6281, 45.8599,  
54.4272

■ 65.7777, 55.3985,  
64.9877

 73.0016, 66.8079,  
76.7630

 81.3506, 80.1820,  
89.7929

 90.8719, 95.6083,  
104.1154

 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.



41.9281, 24.2169, 54.6538



44.5942, 24.2169, 23.4430



40.3645, 24.2169, 7.5263

# Triad

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



44.5942, 24.2169, 23.4430



14.8130, 24.2169, 3.0125



16.2263, 24.2169, 98.8019

# Complementary

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



44.5942, 24.2169, 23.4430



42.7590, 71.9525, 49.6729

# 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.



11.5258, 24.2169, 63.6697



44.5942, 24.2169, 23.4430



10.8692, 24.2169, 10.0478

# Square

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



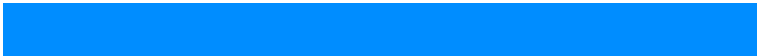
44.5942, 24.2169, 23.4430



21.9720, 24.2169, 1.4861



9.8416, 24.2169, 29.5269



24.0955, 24.2169, 111.3994



# Rectangle

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



44.5942, 24.2169, 23.4430



34.7115, 24.2169, 3.3548



9.8416, 24.2169, 29.5269



14.2979, 24.2169, 88.4676

# Sweetspot

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



44.5948, 24.2183, 23.4434



73.1785, 64.8311, 75.1766



34.9756, 17.7315, 92.0213



15.0936, 12.9781, 15.1587



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.



44.5948, 24.2183, 23.4434



44.0632, 22.5664, 16.2509



42.1914, 24.9366, 5.6090



17.5322, 17.3402, 19.3924



22.1981, 11.2950, 7.7516



2.1067, 1.0664, 0.9852



# Inverse Universe

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



44.5948, 24.2183, 23.4434



44.0632, 22.5664, 16.2509



46.8687, 64.1751, 100.3590



17.5322, 17.3402, 19.3924



22.1981, 11.2950, 7.7516



2.1067, 1.0664, 0.9852



# Previews

## White Background



This preview shows how the XYZ color 44.5942, 24.2169, 23.4430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

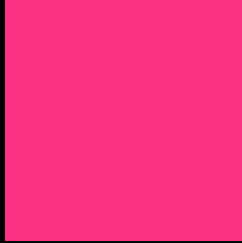
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.5942, 24.2169, 23.4430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

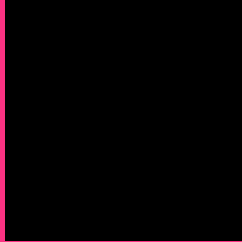
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.5942, 24.2169, 23.4430**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.5942, 24.2169, 23.4430.



This preview shows how white text looks on a background with the XYZ color 44.5942, 24.2169,

23.4430.

# 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

44.5942, 24.2169, 23.4430

### Protanopia

24.7731, 24.5096, 45.0201

### Deuteranopia

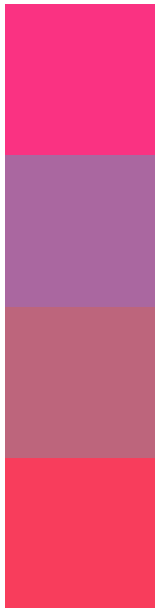
24.6992, 24.1914, 21.1369



## Tritanopia

41.4704, 24.2307, 8.2856

# Trichromacy



## Original Color

44.5942, 24.2169, 23.4430

## Protanomaly

27.7730, 20.7846, 35.8057

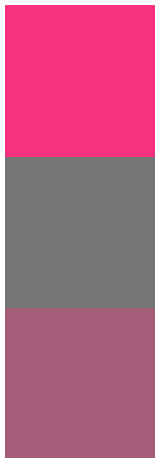
## Deuteranomaly

29.2780, 21.5814, 21.6913

## Tritanomaly

42.3119, 24.0667, 12.5405

# Monochromacy



## Original Color

44.5942, 24.2169, 23.4430

## 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 44.5942, 24.2169, 23.4430 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, 130)` looks like.

```
.text, #text, p{  
  color:rgb(250, 50, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 50, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5942, 24.2169, 23.4430 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, 130) }
```



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

```
.border{ border-color:rgb(250, 50, 130) }
```

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, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 50, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 50, 130);  
box-shadow:4px 4px 4px 4px rgb(250, 50,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5942, 24.2169, 23.4430 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, 130) }
```

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

```
.background{ background-color: rgb(250, 50,  
130) }
```

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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