

# Converting Colors

XYZ(44.2420, 24.4928, 19.2754)

Have a look what the booklet for  
XYZ(44.2420, 24.4928, 19.2754)  
contains.

<b>XYZ(44.3607, 24.5260, 19.2255)</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(44.3607, 24.5260,  
19.2255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB3775
RGB	251, 55, 117
RGB Percent	98%, 22%, 46%
CMY	0.0157, 0.7842, 0.5412
CMYK	0.00, 0.78, 0.53, 0.02
HSL	341°, 96%, 60%
HSV	341°, 78%, 98%
XYZ	44.3607, 24.5260, 19.2255
YIQ	120.6720, 96.9140, 60.8340

# Conversions

## Conversions Part 2

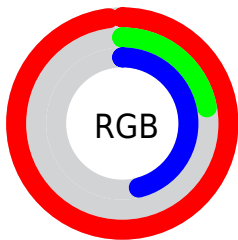
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 55, 117
Decimal	16463733
CIE <sub>Lab</sub>	56.61, 74.87, 12.99
CIE <sub>LCh</sub>	57, 75.985, 9.842
Yxy	24.5260, 0.5035, 0.2783
Android (android.graphics.Color)	4294653813 (0xFFFB3775)
YUV	120.6720, -1.8103, 114.2977
Hunter-Lab	49.5237, 73.2242, 11.6498

# Details

The XYZ color **44.3607, 24.5260, 19.2255** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **45.2605, 73.4815, 59.9509**, and the grayscale version is **18.0543, 18.9945, 20.6851**.

A 20% lighter version of the original color is **55.1179, 37.5575, 41.8804**, and **21.8132, 11.1210, 6.6271** is the 20% darker color. If you saturate the color by 10%, you get **42.5381, 22.3504, 14.0878**, and if you desaturate by 10%, it is **46.9750, 27.9893, 25.5401**.

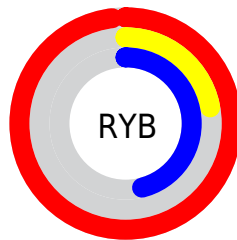
# Distribution



Red (98%)

Green (22%)

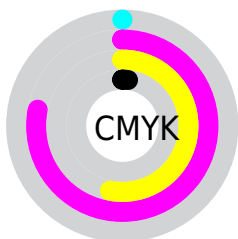
Blue (46%)



Red (98%)

Yellow (22%)

Blue (46%)

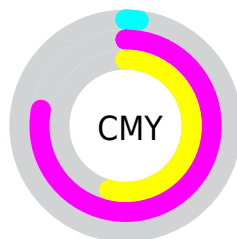


Cyan (0%)

Magenta (78%)

Yellow (53%)

Black (2%)



Cyan (2%)

Magenta (78%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3607, 24.5260, 19.2255 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 44.3607, 24.5260, 19.2255 by changing the saturation by 10% instead.




 44.3607, 24.5260,  
19.2255


 44.3607, 24.5260,  
19.2255


355.0056,  
275.4691, 260.1549


 31.1533, 15.7243,  
11.6549


 81.0032, 50.8872,  
42.9566


 20.8680, 9.3292,  
6.3895


 105.1691, 69.2155,  
59.9541


 13.1395, 4.9566,  
3.0107


 133.7184, 91.4880,  
80.9310

 7.6023, 2.2218,  
1.1001

 167.0167,  
118.0893, 106.3058

 3.8912, 0.7318,  
0.0000

 205.4292,  
149.4036, 136.4970

 1.6408, 0.0000,  
0.0000

249.3212,

 0.4188, 0.0000,

185.8154, 171.9233

0.0000

299.0583,  
227.7091, 213.0031

■ 0.0000, 0.0000,  
0.0000

■ 44.3607, 24.5260,  
19.2255

■ 44.3607, 24.5260,  
19.2255

■ 42.5381, 22.3504,  
14.0878

■ 46.9750, 27.9893,  
25.5401

■ 41.3846, 21.2332,  
10.0356

■ 50.4693, 32.9013,  
33.1066

■ 41.2087, 21.0792,  
9.3674

■ 54.9214, 39.4040,  
41.9942

■ 60.3996, 47.6208,  
52.2659

■ 66.9658, 57.6631,  
63.9807

74.6767, 69.6329,  
77.1937

83.5852, 83.6243,  
91.9570

93.4798, 99.2036,  
108.2332

93.5934, 99.2491,  
108.8318

# Harmonies

## Analogous

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



43.1584, 24.5260, 47.2108



44.3607, 24.5260, 19.2255



38.9288, 24.5260, 6.0955

# Triad

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



44.3607, 24.5260, 19.2255



14.0377, 24.5260, 4.0658



17.9361, 24.5260, 103.2998

# Complementary

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



44.3607, 24.5260, 19.2255



45.2605, 73.4815, 59.9509

# 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.



12.5539, 24.5260, 71.5420



44.3607, 24.5260, 19.2255



10.7292, 24.5260, 13.2083

# Square

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



44.3607, 24.5260, 19.2255



20.5278, 24.5260, 1.7346



10.2651, 24.5260, 35.9084



26.3355, 24.5260, 108.9770



# Rectangle

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



44.3607, 24.5260, 19.2255



32.9237, 24.5260, 2.8656



10.2651, 24.5260, 35.9084



15.7795, 24.5260, 94.6726

# Sweetspot

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



44.3613, 24.5274, 19.2259



73.3118, 65.7991, 73.0587



39.7504, 20.5099, 93.1300



15.0896, 13.1513, 14.5990



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.



44.3613, 24.5274, 19.2259



43.3082, 22.3674, 11.9572



44.2100, 28.2582, 6.7408



17.4708, 17.3157, 19.0688



21.7191, 11.1034, 5.2292



2.0574, 1.0467, 0.7257



# Inverse Universe

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



44.3613, 24.5274, 19.2259



43.3082, 22.3674, 11.9572



43.3070, 56.4138, 99.8727



17.4708, 17.3157, 19.0688



21.7191, 11.1034, 5.2292



2.0574, 1.0467, 0.7257



# Previews

## White Background



This preview shows how the XYZ color 44.3607, 24.5260, 19.2255 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 44.3607, 24.5260, 19.2255 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 44.3607, 24.5260, 19.2255**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3607, 24.5260, 19.2255.



This preview shows how white text looks on a background with the XYZ color 44.3607, 24.5260,



# 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

44.3607, 24.5260, 19.2255

### Protanopia

24.3512, 24.7021, 35.8323

### Deuteranopia

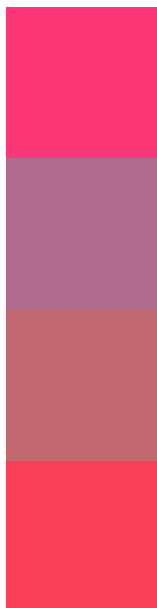
25.1211, 24.6862, 17.6283



## Tritanopia

42.1796, 24.5962, 8.3188

# Trichromacy



## Original Color

44.3607, 24.5260, 19.2255

## Protanomaly

27.7912, 21.4052, 28.6535

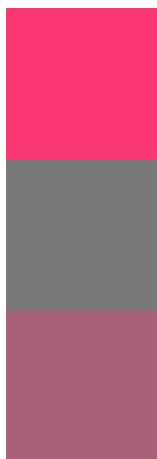
## Deuteranomaly

29.4577, 22.0547, 17.7433

## Tritanomaly

42.9221, 24.5671, 11.4965

# Monochromacy



## Original Color

44.3607, 24.5260, 19.2255

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

23.8133, 18.2303, 20.0330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3607, 24.5260, 19.2255 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(251, 55, 117)` looks like.

```
.text, #text, p{  
    color:rgb(251, 55, 117)  
}
```

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(251, 55, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 55, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3607, 24.5260, 19.2255 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(251, 55, 117) }
```



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

```
.border{ border-color:rgb(251, 55, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 55, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(251, 55, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(251, 55, 117); box-shadow:4px 4px 4px 4px rgb(251, 55, 117) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3607, 24.5260, 19.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 55, 117) }
```

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

```
.background{ background-color: rgb(251, 55,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**