

# Converting Colors

XYZ(43.6685, 24.4483, 23.8108)

Have a look what the booklet for  
XYZ(43.6685, 24.4483, 23.8108)  
contains.

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# Color

**XYZ(43.7186, 24.4632,  
23.8904)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F63C83
RGB	246, 60, 131
RGB Percent	96%, 24%, 51%
CMY	0.0353, 0.7647, 0.4863
CMYK	0.00, 0.76, 0.47, 0.04
HSL	337°, 91%, 60%
HSV	337°, 76%, 96%
XYZ	43.7186, 24.4632, 23.8904
YIQ	123.7080, 88.0650, 61.5130

# Conversions

## Conversions Part 2

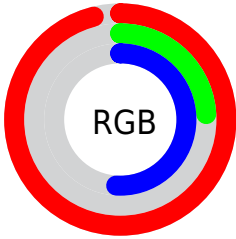
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 60, 131
Decimal	16137347
CIE <sub>Lab</sub>	56.55, 73.25, 4.45
CIE <sub>LCh</sub>	57, 73.389, 3.480
Yxy	24.4632, 0.4748, 0.2657
Android (android.graphics.Color)	4294327427 (0xFFFF63C83)
YUV	123.7080, 3.5950, 107.2501
Hunter-Lab	49.4603, 71.2230, 5.9838

# Details

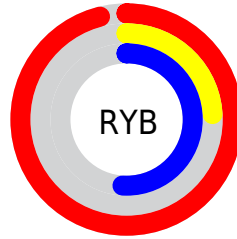
The XYZ color **43.7186, 24.4632, 23.8904** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **42.5590, 69.9680, 51.8259**, and the grayscale version is **19.0309, 20.0219, 21.8039**.

A 20% lighter version of the original color is **56.9747, 38.8866, 49.8504**, and **21.2902, 10.7995, 8.9450** is the 20% darker color. If you saturate the color by 10%, you get **41.7594, 22.0754, 18.5190**, and if you desaturate by 10%, it is **46.4288, 28.1109, 30.2592**.

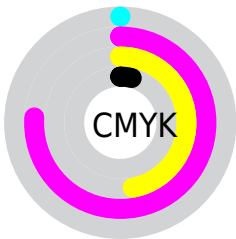
# Distribution



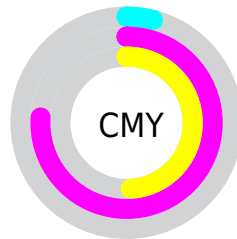
- Red (96%)
- Green (24%)
- Blue (51%)



- Red (96%)
- Yellow (24%)
- Blue (51%)



- Cyan (0%)
- Magenta (76%)
- Yellow (47%)
- Black (4%)




- Cyan (4%)
- Magenta (76%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7186, 24.4632, 23.8904 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 43.7186, 24.4632, 23.8904 by changing the saturation by 10% instead.





 43.7186, 24.4632,  
23.8904


 43.7186, 24.4632,  
23.8904


352.4304,  
275.1540, 285.5346


 30.6463, 15.6776,  
15.0409


 80.0431, 50.7850,  
50.7929


 20.4802, 9.2963,  
8.7011


 104.0260, 69.0900,  
69.6829


 12.8548, 4.9349,  
4.4526

 132.3765, 91.3369,  
92.7569

 7.4050, 2.2091,  
1.8768

 165.4600,  
117.9101, 120.4333

 3.7652, 0.7250,  
0.4779

 203.6418,  
149.1941, 153.1308

 1.5702, 0.0000,  
0.0000

247.2872,

 0.3729, 0.0000,

185.5731, 191.2678

0.0000

296.7616,  
227.4316, 235.2629

■ 0.0000, 0.0000,  
0.0000

■ 43.7186, 24.4632,  
23.8904

■ 43.7186, 24.4632,  
23.8904

■ 41.7594, 22.0754,  
18.5190

■ 46.4288, 28.1109,  
30.2592

■ 40.4519, 20.7592,  
14.0790


■ 49.9676, 33.1637,  
37.6812


■ 40.0215, 20.3990,  
12.3926


■ 54.4044, 39.7511,  
46.2085


■ 59.8004, 47.9865,  
55.8886

■ 66.2112, 57.9728,  
66.7662

 73.6879, 69.8042,  
78.8830

 82.2781, 83.5683,  
92.2790

 91.4455, 98.1846,  
106.7981

 91.8159, 98.3328,  
108.7486

# Harmonies

## Analogous

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



41.1909, 24.4632, 53.5334



43.7186, 24.4632, 23.8904



39.7530, 24.4632, 8.2407

# Triad

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



43.7186, 24.4632, 23.8904



15.3395, 24.4632, 3.5465



16.6812, 24.4632, 94.4648

# Complementary

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



43.7186, 24.4632, 23.8904



42.5590, 69.9680, 51.8259

# 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.



12.0956, 24.4632, 61.7740



43.7186, 24.4632, 23.8904



11.4642, 24.4632, 10.7075

# Square

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



43.7186, 24.4632, 23.8904



22.2719, 24.4632, 1.8950



10.4401, 24.4632, 29.5849



24.2595, 24.4632, 106.1903



# Rectangle

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



43.7186, 24.4632, 23.8904



34.4176, 24.4632, 3.9316



10.4401, 24.4632, 29.5849



14.8067, 24.4632, 84.8730

# Sweetspot

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



43.7192, 24.4646, 23.8908



73.8104, 65.9985, 75.6842



35.8641, 18.9668, 88.9592



15.2087, 13.1989, 15.2257



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.



43.7192, 24.4646, 23.8908



44.4433, 23.0300, 17.2919



41.8175, 25.9104, 7.0740



16.7608, 16.5872, 18.4872



21.4251, 10.9135, 6.9469



1.9315, 0.9786, 0.8658



# Inverse Universe

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



43.7192, 24.4646, 23.8908



44.4433, 23.0300, 17.2919



45.2355, 61.0883, 96.5956



16.7608, 16.5872, 18.4872



21.4251, 10.9135, 6.9469



1.9315, 0.9786, 0.8658



# Previews

## White Background



This preview shows how the XYZ color 43.7186, 24.4632, 23.8904 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 43.7186, 24.4632, 23.8904 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 43.7186, 24.4632, 23.8904**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7186, 24.4632, 23.8904.



This preview shows how white text looks on a background with the XYZ color 43.7186, 24.4632,



# 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

43.7186, 24.4632, 23.8904

### Protanopia

24.9081, 24.8196, 43.5223

### Deuteranopia

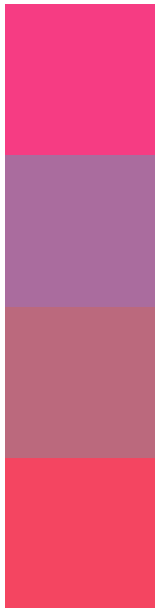
24.9556, 24.5078, 21.8275



## Tritanopia

40.7505, 24.4881, 9.6001

# Trichromacy



## Original Color

43.7186, 24.4632, 23.8904

## Protanomaly

28.1117, 21.7398, 35.0623

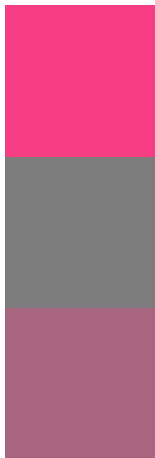
## Deuteranomaly

29.2468, 22.1486, 22.1357

## Tritanomaly

41.5940, 24.3524, 13.8175

# Monochromacy



## Original Color

43.7186, 24.4632, 23.8904

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

24.6329, 19.1645, 22.4795

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7186, 24.4632, 23.8904 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(246, 60, 131)` looks like.

```
.text, #text, p{  
    color:rgb(246, 60, 131)  
}
```

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(246, 60, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 60, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7186, 24.4632, 23.8904 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(246, 60, 131) }
```



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

```
.border{ border-color:rgb(246, 60, 131) }
```

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

Here you see how a box with a 4 pixel rgb(246, 60, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 60, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 60, 131);  
box-shadow:4px 4px 4px 4px rgb(246, 60,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7186, 24.4632, 23.8904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 60, 131) }
```

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

```
.background{ background-color: rgb(246, 60,  
131) }
```

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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