

# Converting Colors

XYZ(42.1864, 23.6441, 17.5562)

Have a look what the booklet for  
XYZ(42.1864, 23.6441, 17.5562)  
contains.

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# Color

**XYZ(42.0939, 23.6084,  
17.6675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F53A70
RGB	245, 58, 112
RGB Percent	96%, 23%, 44%
CMY	0.0392, 0.7725, 0.5608
CMYK	0.00, 0.76, 0.54, 0.04
HSL	343°, 90%, 59%
HSV	343°, 76%, 96%
XYZ	42.0939, 23.6084, 17.6675
YIQ	120.0690, 94.1180, 56.4380

# Conversions

## Conversions Part 2

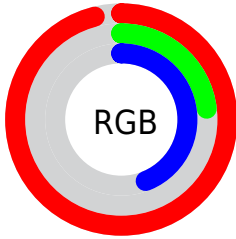
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 58, 112
Decimal	16071280
CIE <sub>Lab</sub>	55.69, 72.10, 14.52
CIE <sub>LCh</sub>	56, 73.546, 11.390
Yxy	23.6084, 0.5049, 0.2832
Android (android.graphics.Color)	4294261360 (0xFFFF53A70)
YUV	120.0690, -3.9780, 109.5645
Hunter-Lab	48.5885, 69.6110, 12.4532

# Details

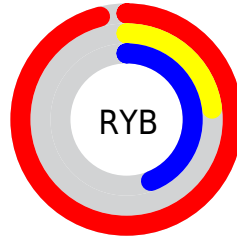
The XYZ color **42.0939, 23.6084, 17.6675** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **43.8034, 69.9668, 60.4939**, and the grayscale version is **17.8677, 18.7982, 20.4713**.

A 20% lighter version of the original color is **54.6882, 37.5791, 39.0214**, and **20.2455, 10.3267, 5.9272** is the 20% darker color. If you saturate the color by 10%, you get **40.2606, 21.3474, 12.7237**, and if you desaturate by 10%, it is **44.7031, 27.1211, 23.7967**.

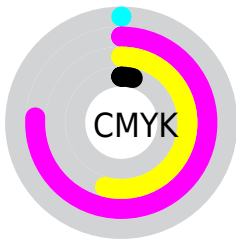
# Distribution



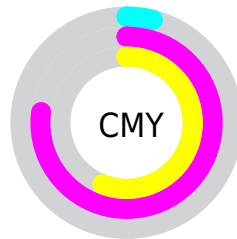
- Red (96%)
- Green (23%)
- Blue (44%)



- Red (96%)
- Yellow (23%)
- Blue (44%)



- Cyan (0%)
- Magenta (76%)
- Yellow (54%)
- Black (4%)




- Cyan (4%)
- Magenta (77%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0939, 23.6084, 17.6675 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 42.0939, 23.6084, 17.6675 by changing the saturation by 10% instead.





 42.0939, 23.6084,  
17.6675


 42.0939, 23.6084,  
17.6675


345.8570,  
270.8347, 251.1630


 29.3663, 15.0434,  
10.5446


 77.6060, 49.3904,  
40.2762


 19.5037, 8.8498,  
5.6512


 101.1211, 67.3762,  
56.5990

 12.1410, 4.6434,  
2.5688


 128.9629, 89.2710,  
76.8256

 6.9127, 2.0396,  
0.8763

 161.4965,  
115.4593, 101.3744

 3.4534, 0.6303,  
0.0000

 199.0873,  
146.3254, 130.6640

 1.3978, 0.0000,  
0.0000

242.1008,

 0.2547, 0.0000,

182.2537, 165.1130

0.0000

290.9023,  
223.6287, 205.1398

■ 0.0000, 0.0000,  
0.0000

■ 42.0939, 23.6084,  
17.6675

■ 42.0939, 23.6084,  
17.6675

■ 40.2606, 21.3474,  
12.7237

■ 44.7031, 27.1211,  
23.7967

■ 39.0987, 20.1460,  
8.8764


■ 48.1701, 32.0326,  
31.1874


■ 38.7850, 19.8640,  
7.7069


■ 52.5676, 38.4738,  
39.9099


■ 57.9599, 46.5591,  
50.0287

■ 64.4054, 56.3923,  
61.6035

 71.9576, 68.0683,  
74.6908

 80.6668, 81.6752,  
89.3436

 90.5796, 97.2955,  
105.6127

 91.4661, 98.1524,  
108.7323

# Harmonies

## Analogous

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



41.3045, 23.6084, 43.3047



42.0939, 23.6084, 17.6675



36.7325, 23.6084, 5.7379

# Triad

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



42.0939, 23.6084, 17.6675



13.4257, 23.6084, 4.3618



17.7047, 23.6084, 98.3178

# Complementary

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



42.0939, 23.6084, 17.6675



43.8034, 69.9668, 60.4939

# 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.



12.4379, 23.6084, 69.5416



42.0939, 23.6084, 17.6675



10.4228, 23.6084, 13.6671

# Square

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



42.0939, 23.6084, 17.6675



19.4216, 23.6084, 1.8603



10.1127, 23.6084, 35.8728



25.7539, 23.6084, 102.0213



# Rectangle

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



42.0939, 23.6084, 17.6675



31.0183, 23.6084, 2.8015



10.1127, 23.6084, 35.8728



15.6084, 23.6084, 90.6897

# Sweetspot

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



42.0945, 23.6098, 17.6679



73.1052, 65.7164, 71.9711



38.9576, 20.4266, 88.2754



15.0405, 13.1316, 14.3402



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.



42.0945, 23.6098, 17.6679



43.2643, 22.4813, 11.3207



42.5495, 27.9767, 7.1622



16.6959, 16.5612, 18.1451



20.9461, 10.7219, 4.4243



1.8836, 0.9594, 0.6135



# Inverse Universe

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



42.0945, 23.6098, 17.6679



43.2643, 22.4813, 11.3207



40.6862, 52.4107, 94.3579



16.6959, 16.5612, 18.1451



20.9461, 10.7219, 4.4243



1.8836, 0.9594, 0.6135



# Previews

## White Background



This preview shows how the XYZ color 42.0939, 23.6084, 17.6675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

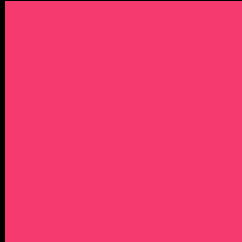
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0939, 23.6084, 17.6675 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 42.0939, 23.6084, 17.6675**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0939, 23.6084, 17.6675.



This preview shows how white text looks on a background with the XYZ color 42.0939, 23.6084,



# 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

42.0939, 23.6084, 17.6675

### Protanopia

23.2526, 23.8024, 32.2229

### Deuteranopia

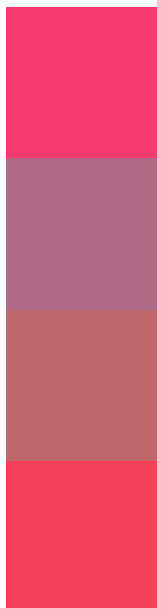
24.0720, 23.5857, 16.1157



## Tritanopia

40.1666, 23.6439, 8.4079

# Trichromacy



## Original Color

42.0939, 23.6084, 17.6675

## Protanomaly

26.6112, 20.8563, 25.9157

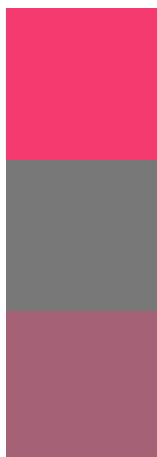
## Deuteranomaly

28.4380, 21.5599, 16.2983

## Tritanomaly

40.8213, 23.5718, 11.2024

# Monochromacy



## Original Color

42.0939, 23.6084, 17.6675

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

23.0026, 17.8331, 19.0594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0939, 23.6084, 17.6675 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(245, 58, 112)` looks like.

```
.text, #text, p{  
    color:rgb(245, 58, 112)  
}
```

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(245, 58, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 58, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0939, 23.6084, 17.6675 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".

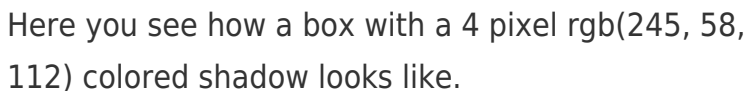
```
.border, #border, table{ border:4px solid rgb(245, 58, 112) }
```



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

```
.border{ border-color:rgb(245, 58, 112) }
```

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



Here you see how a box with a 4 pixel `rgb(245, 58, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 58, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 58, 112);  
box-shadow:4px 4px 4px 4px rgb(245, 58,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0939, 23.6084, 17.6675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 58, 112) }
```

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

```
.background{ background-color: rgb(245, 58,  
112) }
```

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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