

# Converting Colors

XYZ(42.6443, 23.4737, 26.7094)

Have a look what the booklet for  
XYZ(42.6443, 23.4737, 26.7094)  
contains.

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# Color

**XYZ(42.6443, 23.4737,  
26.7094)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2378B
RGB	242, 55, 139
RGB Percent	95%, 22%, 55%
CMY	0.0510, 0.7843, 0.4549
CMYK	0.00, 0.77, 0.43, 0.05
HSL	333°, 88%, 58%
HSV	333°, 77%, 95%
XYZ	42.6443, 23.4737, 26.7094
YIQ	120.4890, 84.4880, 65.7680

# Conversions

## Conversions Part 2

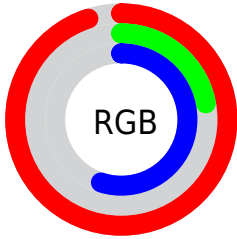
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 55, 139
Decimal	15873931
CIE <sub>Lab</sub>	55.56, 74.34, -1.82
CIE <sub>LCh</sub>	56, 74.363, 358.594
Yxy	23.4737, 0.4594, 0.2529
Android (android.graphics.Color)	4294064011 (0xFFFF2378B)
YUV	120.4890, 9.1259, 106.5651
Hunter-Lab	48.4497, 72.3248, 1.2293

# Details

The XYZ color **42.6443, 23.4737, 26.7094** 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 **39.5011, 66.7858, 43.1629**, and the grayscale version is **17.9640, 18.8995, 20.5815**.

A 20% lighter version of the original color is **57.3513, 38.2594, 54.2312**, and **20.6256, 10.4246, 10.3762** is the 20% darker color. If you saturate the color by 10%, you get **40.8476, 21.3453, 21.5944**, and if you desaturate by 10%, it is **45.1239, 26.7780, 32.6384**.

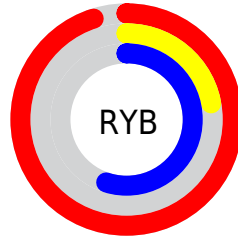
# Distribution



Red (95%)

Green (22%)

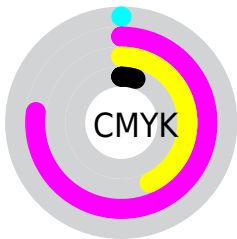
Blue (55%)



Red (95%)

Yellow (22%)

Blue (55%)

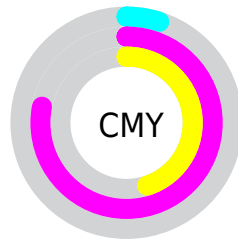


Cyan (0%)

Magenta (77%)

Yellow (43%)

Black (5%)



Cyan (5%)

Magenta (78%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6443, 23.4737, 26.7094 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 42.6443, 23.4737, 26.7094 by changing the saturation by 10% instead.




 42.6443, 23.4737,  
26.7094


 42.6443, 23.4737,  
26.7094


348.0933,  
270.1488, 299.9629


 29.7994, 14.9437,  
17.1246


 78.4329, 49.1700,  
55.4153


 19.8337, 8.7799,  
10.1605

 102.1073, 67.1050,  
75.3734


 12.3818, 4.5979,  
5.3985


 130.1223, 88.9439,  
99.6263

 7.0783, 2.0133,  
2.4201

 162.8432,  
115.0709, 128.5927

 3.5579, 0.6152,  
0.7974

 200.6354,  
145.8705, 162.6910

 1.4552, 0.0000,  
0.0000

243.8643,

 0.2950, 0.0000,

181.7271, 202.3398

0.0000

292.8951,  
223.0250, 247.9575

■ 0.0000, 0.0000,  
0.0000

■ 42.6443, 23.4737,  
26.7094

■ 42.6443, 23.4737,  
26.7094

■ 40.8476, 21.3453,  
21.5944

■ 45.1239, 26.7780,  
32.6384

■ 39.6332, 20.1982,  
17.2384


■ 48.3613, 31.4011,  
39.4257


■ 39.3618, 19.9748,  
16.1634

■ 52.4226, 37.4694,  
47.1127


■ 57.3661, 45.0935,  
55.7367

■ 63.2443, 54.3728,  
65.3329

 70.1056, 65.3986,  
75.9340

 77.9949, 78.2554,  
87.5711

 86.9542, 93.0222,  
100.2740

 90.4278, 97.6172,  
108.6837

# Harmonies

## Analogous

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



39.1129, 23.4737, 57.9979



42.6443, 23.4737, 26.7094



39.6913, 23.4737, 9.2068

# Triad

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



42.6443, 23.4737, 26.7094



15.4445, 23.4737, 2.6667



14.9142, 23.4737, 88.7766

# Complementary

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



42.6443, 23.4737, 26.7094



39.5011, 66.7858, 43.1629

# 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.



10.9298, 23.4737, 54.6727



42.6443, 23.4737, 26.7094



11.1776, 23.4737, 8.2481

# Square

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



42.6443, 23.4737, 26.7094



22.7092, 23.4737, 1.6045



9.7545, 23.4737, 24.4419



21.9175, 23.4737, 105.1927



# Rectangle

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



42.6443, 23.4737, 26.7094



34.7764, 23.4737, 4.2042



9.7545, 23.4737, 24.4419



13.2495, 23.4737, 78.2560

# Sweetspot

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



42.6449, 23.4750, 26.7098



74.3369, 66.2091, 78.4570



31.4661, 16.3991, 85.5110



15.3349, 13.2494, 15.8905



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.



42.6449, 23.4750, 26.7098



45.1153, 23.1523, 21.2821



39.1617, 22.8611, 5.9648



16.0679, 15.8769, 17.9138



21.2122, 10.7573, 9.0342



1.8141, 0.9147, 1.0119



# Inverse Universe

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



42.6449, 23.4750, 26.7098



45.1153, 23.1523, 21.2821



46.6433, 65.3035, 94.1506



16.0679, 15.8769, 17.9138



21.2122, 10.7573, 9.0342



1.8141, 0.9147, 1.0119



# Previews

## White Background



This preview shows how the XYZ color 42.6443, 23.4737, 26.7094 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 42.6443, 23.4737, 26.7094 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 42.6443, 23.4737, 26.7094**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6443, 23.4737, 26.7094.



This preview shows how white text looks on a background with the XYZ color 42.6443, 23.4737,



# 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

42.6443, 23.4737, 26.7094

### Protanopia

24.4503, 23.8296, 49.7653

### Deuteranopia

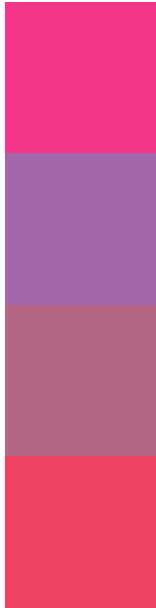
24.0923, 23.6081, 24.4061



## Tritanopia

38.9469, 23.4640, 9.3138

# Trichromacy



## Original Color

42.6443, 23.4737, 26.7094

## Protanomaly

27.0120, 20.4466, 40.0590

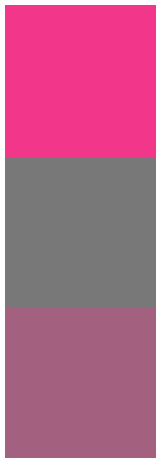
## Deuteranomaly

28.2764, 21.1413, 24.7806

## Tritanomaly

39.7969, 23.1480, 14.1749

# Monochromacy



## Original Color

42.6443, 23.4737, 26.7094

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

23.3235, 17.7906, 22.2833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6443, 23.4737, 26.7094 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(242, 55, 139)` looks like.

```
.text, #text, p{  
    color:rgb(242, 55, 139)  
}
```

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(242, 55, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 55, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6443, 23.4737, 26.7094 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(242, 55, 139) }
```



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

```
.border{ border-color:rgb(242, 55, 139) }
```

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

Here you see how a box with a 4 pixel rgb(242, 55, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 55, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 55, 139);  
box-shadow:4px 4px 4px 4px rgb(242, 55,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6443, 23.4737, 26.7094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 55, 139) }
```

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

```
.background{ background-color: rgb(242, 55,  
139) }
```

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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