

# Converting Colors

XYZ(42.1431, 23.1824, 15.8891)

Have a look what the booklet for  
XYZ(42.1431, 23.1824, 15.8891)  
contains.

<b>XYZ(42.1431, 23.1824, 15.8891)</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(42.1431, 23.1824,  
15.8891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7336A
RGB	247, 51, 106
RGB Percent	97%, 20%, 42%
CMY	0.0314, 0.7999, 0.5843
CMYK	0.00, 0.79, 0.57, 0.03
HSL	343°, 92%, 58%
HSV	343°, 79%, 97%
XYZ	42.1431, 23.1824, 15.8891
YIQ	115.8740, 99.1610, 58.6570

# Conversions

## Conversions Part 2

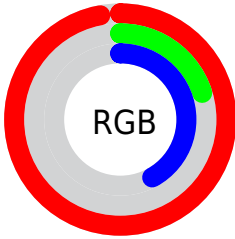
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 51, 106
Decimal	16200554
CIE <sub>Lab</sub>	55.26, 74.12, 17.57
CIE <sub>LCh</sub>	55, 76.169, 13.334
Yxy	23.1824, 0.5189, 0.2854
Android (android.graphics.Color)	4294390634 (0xFFFF7336A)
YUV	115.8740, -4.8679, 114.9975
Hunter-Lab	48.1481, 71.9784, 14.1377

# Details

The XYZ color **42.1431, 23.1824, 15.8891** 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 **44.1428, 71.0319, 61.2622**, and the grayscale version is **16.5573, 17.4195, 18.9699**.

A 20% lighter version of the original color is **53.5712, 36.1851, 36.0592**, and **20.3179, 10.3830, 5.0709** is the 20% darker color. If you saturate the color by 10%, you get **40.5050, 21.2354, 11.2465**, and if you desaturate by 10%, it is **44.5461, 26.3534, 21.7317**.

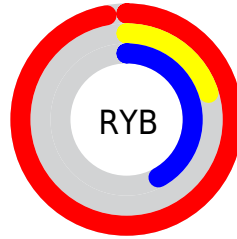
# Distribution



Red (97%)

Green (20%)

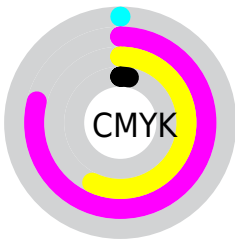
Blue (42%)



Red (97%)

Yellow (20%)

Blue (42%)

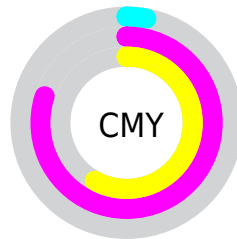


Cyan (0%)

Magenta (79%)

Yellow (57%)

Black (3%)



Cyan (3%)

Magenta (80%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1431, 23.1824, 15.8891 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 42.1431, 23.1824, 15.8891 by changing the saturation by 10% instead.





 42.1431, 23.1824,  
15.8891


 42.1431, 23.1824,  
15.8891


346.0573,  
268.6605, 240.5098

 29.4050, 14.7282,  
9.2922


 77.6800, 48.6927,  
37.1697


 19.5332, 8.6289,  
4.8329


 101.2094, 66.5175,  
52.6904


 12.1625, 4.4999,  
2.0925


 129.0666, 88.2348,  
72.0229

 6.9274, 1.9570,  
0.6113

 161.6170,  
114.2288, 95.5856

 3.4627, 0.5823,  
0.0000

 199.2259,  
144.8840, 123.7971

 1.4029, 0.0000,  
0.0000

242.2587,

 0.2583, 0.0000,

180.5847, 157.0760

0.0000

291.0807,  
221.7154, 195.8407

■ 0.0000, 0.0000,  
0.0000

■ 42.1431, 23.1824,  
15.8891

■ 42.1431, 23.1824,  
15.8891

■ 40.5050, 21.2354,  
11.2465

■ 44.5461, 26.3534,  
21.7317

■ 39.4952, 20.2572,  
7.6991


■ 47.8029, 30.9077,  
28.8571


■ 39.4410, 20.2074,  
7.5003


■ 51.9910, 36.9848,  
37.3412


■ 57.1786, 44.7057,  
47.2530

■ 63.4271, 54.1795,  
58.6566

 70.7931, 65.5054,  
71.6121

 79.3288, 78.7755,  
86.1762

 89.0832, 94.0757,  
102.4025

 92.1676, 98.5141,  
108.7651

# Harmonies

## Analogous

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



41.7640, 23.1824, 41.2418



42.1431, 23.1824, 15.8891



36.2375, 23.1824, 4.7876

# Triad

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



42.1431, 23.1824, 15.8891



12.5908, 23.1824, 4.1781



17.6593, 23.1824, 102.2150

# Complementary

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



42.1431, 23.1824, 15.8891



44.1428, 71.0319, 61.2622

# 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.



12.1322, 23.1824, 73.1087



42.1431, 23.1824, 15.8891



9.7657, 23.1824, 14.0296

# Square

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



42.1431, 23.1824, 15.8891



18.4659, 23.1824, 1.5764



9.6229, 23.1824, 37.6902



26.0349, 23.1824, 104.0210



# Rectangle

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



42.1431, 23.1824, 15.8891



30.2402, 23.1824, 2.2391



9.6229, 23.1824, 37.6902



15.4657, 23.1824, 94.7297

# Sweetspot

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



42.1437, 23.1838, 15.8895



72.2414, 64.4562, 70.2420



39.5775, 20.2220, 89.8125



14.8717, 12.8893, 13.9899



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.



42.1437, 23.1838, 15.8895



42.8553, 22.1313, 9.7416



42.9121, 27.9264, 6.2625



16.6902, 16.5589, 18.1152



20.9111, 10.7079, 4.2402



1.8799, 0.9579, 0.5940



# Inverse Universe

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



42.1437, 23.1838, 15.8895



42.8553, 22.1313, 9.7416



39.8751, 50.8608, 95.7107



16.6902, 16.5589, 18.1152



20.9111, 10.7079, 4.2402



1.8799, 0.9579, 0.5940



# Previews

## White Background



This preview shows how the XYZ color 42.1431, 23.1824, 15.8891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

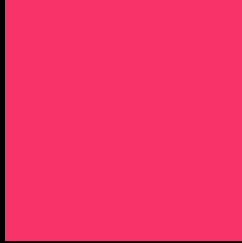
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1431, 23.1824, 15.8891 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 42.1431, 23.1824, 15.8891**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1431, 23.1824, 15.8891.



This preview shows how white text looks on a background with the XYZ color 42.1431, 23.1824,



# 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

42.1431, 23.1824, 15.8891

### Protanopia

22.8778, 23.4524, 30.1090

### Deuteranopia

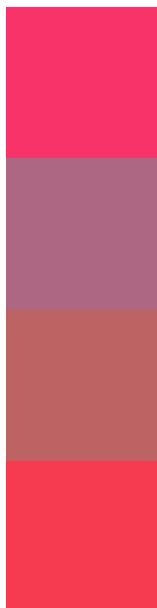
23.6517, 23.2099, 14.5426



## Tritanopia

40.2760, 23.2166, 7.0611

# Trichromacy



## Original Color

42.1431, 23.1824, 15.8891

## Protanomaly

26.4025, 20.3379, 24.0068

## Deuteranomaly

27.9973, 20.7909, 14.5940

## Tritanomaly

40.9304, 23.1835, 9.7147

# Monochromacy



## Original Color

42.1431, 23.1824, 15.8891

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

22.0616, 16.7167, 17.3931

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1431, 23.1824, 15.8891 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(247, 51, 106)` looks like.

```
.text, #text, p{  
    color:rgb(247, 51, 106)  
}
```

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(247, 51, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 51, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1431, 23.1824, 15.8891 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(247, 51, 106) }
```



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

```
.border{ border-color:rgb(247, 51, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 51, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 51, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 51, 106);  
box-shadow:4px 4px 4px 4px rgb(247, 51,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1431, 23.1824, 15.8891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 51, 106) }
```

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

```
.background{ background-color: rgb(247, 51,  
106) }
```

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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