

# Converting Colors

XYZ(43.8368, 23.6389, 13.2572)

Have a look what the booklet for  
XYZ(43.8368, 23.6389, 13.2572)  
contains.

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# Color

**XYZ(43.8482, 23.6431,  
13.3188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE2B60
RGB	254, 43, 96
RGB Percent	100%, 17%, 38%
CMY	0.0039, 0.8313, 0.6235
CMYK	0.00, 0.83, 0.62, 0.00
HSL	345°, 99%, 58%
HSV	345°, 83%, 100%
XYZ	43.8482, 23.6431, 13.3188
YIQ	112.1310, 108.7430, 61.2150

# Conversions

## Conversions Part 2

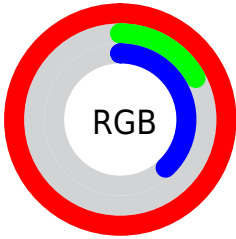
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 43, 96
Decimal	16657248
CIE <sub>Lab</sub>	55.73, 77.17, 24.39
CIE <sub>LCh</sub>	56, 80.931, 17.539
Yxy	23.6431, 0.5426, 0.2926
Android (android.graphics.Color)	4294847328 (0xFFFE2B60)
YUV	112.1310, -7.9526, 124.4191
Hunter-Lab	48.6242, 75.8750, 17.7966

# Details

The XYZ color **43.8482, 23.6431, 13.3188** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **46.9837, 75.6152, 67.3898**, and the grayscale version is **15.4427, 16.2469, 17.6929**.

A 20% lighter version of the original color is **52.3334, 35.1456, 31.2196**, and **21.5838, 11.0578, 4.1287** is the 20% darker color. If you saturate the color by 10%, you get **42.4218, 22.0266, 9.0329**, and if you desaturate by 10%, it is **46.0612, 26.4944, 18.9125**.

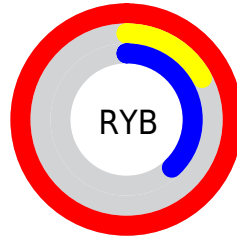
# Distribution



Red (100%)

Green (17%)

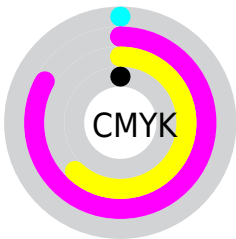
Blue (38%)



Red (100%)

Yellow (17%)

Blue (38%)

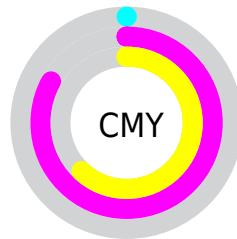


Cyan (0%)

Magenta (83%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (83%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8482, 23.6431, 13.3188 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 43.8482, 23.6431, 13.3188 by changing the saturation by 10% instead.




 43.8482, 23.6431,  
13.3188


 43.8482, 23.6431,  
13.3188


352.9511,  
271.0111, 224.2299

 30.7486, 15.0691,  
7.5151


 80.2370, 49.4472,  
32.5749

 20.5584, 8.8679,  
3.7030


 104.2570, 67.4460,  
46.8644


 12.9122, 4.6551,  
1.4639

 132.6477, 89.3552,  
64.8196

 7.4447, 2.0464,  
0.1908

 165.7746,  
115.5592, 86.8590

 3.7905, 0.6342,  
0.0000

 204.0031,  
146.4424, 113.4012

 1.5843, 0.0000,  
0.0000

247.6984,

 0.3822, 0.0000,

182.3892, 144.8648

0.0000

297.2260,  
223.7840, 181.6682

■ 0.0000, 0.0000,  
0.0000

■ 43.8482, 23.6431,  
13.3188

■ 43.8482, 23.6431,  
13.3188

■ 42.4218, 22.0266,  
9.0329

■ 46.0612, 26.4944,  
18.9125

■ 41.7920, 21.4384,  
6.7534

■ 49.1657, 30.7668,  
25.9175

■ 53.2511, 36.6191,  
34.4269

■ 58.3951, 44.1878,  
44.5249

■ 64.6674, 53.5944,  
56.2895

72.1315, 64.9495,  
69.7929

80.8461, 78.3547,  
85.1032

90.8660, 93.9047,  
102.2848

94.6828, 99.8107,  
108.8828

# Harmonies

## Analogous

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



44.4832, 23.6431, 38.2608



43.8482, 23.6431, 13.3188



36.6147, 23.6431, 3.5618

# Triad

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



43.8482, 23.6431, 13.3188



11.8053, 23.6431, 4.4779



18.8753, 23.6431, 113.3443

# Complementary

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



43.8482, 23.6431, 13.3188



46.9837, 75.6152, 67.3898

# 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.



12.5399, 23.6431, 83.9268



43.8482, 23.6431, 13.3188



9.2697, 23.6431, 16.3056

# Square

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



43.8482, 23.6431, 13.3188



17.5624, 23.6431, 1.3686



9.4957, 23.6431, 44.1753



28.2208, 23.6431, 110.2592



# Rectangle

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



43.8482, 23.6431, 13.3188



29.9109, 23.6431, 1.5893



9.4957, 23.6431, 44.1753



16.3817, 23.6431, 106.3906

# Sweetspot

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



43.8488, 23.6445, 13.3191



71.2195, 63.1484, 67.6324



41.9738, 20.8553, 95.5785



14.6655, 12.6350, 13.4339



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.



43.8488, 23.6445, 13.3191



42.1664, 21.6305, 6.8082



45.1580, 28.9429, 5.4940



18.1965, 18.0619, 19.6517



22.0828, 11.3224, 3.8206



2.1917, 1.1191, 0.5910



# Inverse Universe

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



43.8488, 23.6445, 13.3191



42.1664, 21.6305, 6.8082



40.6630, 51.2230, 101.5092



18.1965, 18.0619, 19.6517



22.0828, 11.3224, 3.8206



2.1917, 1.1191, 0.5910



# Previews

## White Background



This preview shows how the XYZ color 43.8482, 23.6431, 13.3188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

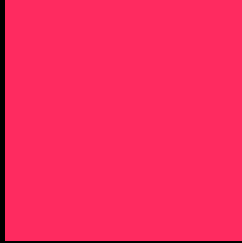
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.8482, 23.6431, 13.3188 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 43.8482, 23.6431, 13.3188**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8482, 23.6431, 13.3188.



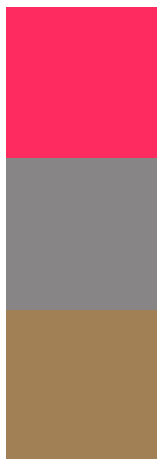
This preview shows how white text looks on a background with the XYZ color 43.8482, 23.6431,



# 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

43.8482, 23.6431, 13.3188

### Protanopia

22.8439, 23.7305, 25.9307

### Deuteranopia

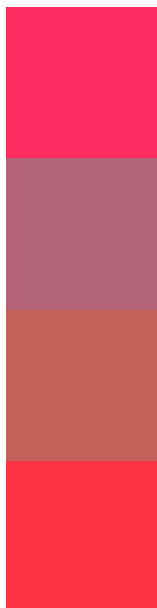
24.0968, 23.6873, 12.1062



## Tritanopia

42.1299, 23.6001, 5.8248

# Trichromacy



## Original Color

43.8482, 23.6431, 13.3188

## Protanomaly

26.5377, 20.0541, 20.2414

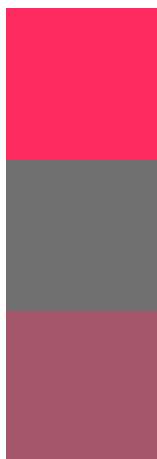
## Deuteranomaly

28.6258, 20.8897, 12.1962

## Tritanomaly

42.7228, 23.5935, 7.9325

# Monochromacy



## Original Color

43.8482, 23.6431, 13.3188

## Achromatopsia

15.4009, 16.2029, 17.6450

## Achromatomaly

21.3196, 15.7495, 15.5520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8482, 23.6431, 13.3188 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(254, 43, 96)` looks like.

```
.text, #text, p{  
    color:rgb(254, 43, 96)  
}
```

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(254, 43, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 43, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8482, 23.6431, 13.3188 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(254, 43, 96) }
```



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

```
.border{ border-color:rgb(254, 43, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 43, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 43, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 43, 96);  
box-shadow:4px 4px 4px 4px rgb(254, 43,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8482, 23.6431, 13.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 43, 96) }
```

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

```
.background{ background-color: rgb(254, 43,  
96) }
```

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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