

# Converting Colors

XYZ(57.7189, 37.6555, 21.2744)

Have a look what the booklet for  
XYZ(57.7189, 37.6555, 21.2744)  
contains.

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# Color

**XYZ(50.0859, 33.7199,  
21.0083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6E76
RGB	255, 110, 118
RGB Percent	100%, 43%, 46%
CMY	0.0000, 0.5686, 0.5373
CMYK	0.00, 0.57, 0.54, 0.00
HSL	357°, 100%, 72%
HSV	357°, 57%, 100%
XYZ	50.0859, 33.7199, 21.0083
YIQ	154.2670, 83.8520, 33.2280

# Conversions

## Conversions Part 2

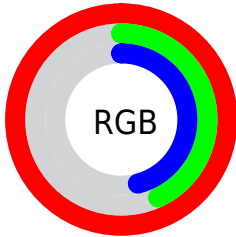
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 110, 118
Decimal	16739958
CIE <sub>Lab</sub>	64.74, 55.84, 23.64
CIE <sub>LCh</sub>	65, 60.639, 22.942
Yxy	33.7199, 0.4779, 0.3217
Android (android.graphics.Color)	4294930038 (0xFFFF6E76)
YUV	154.2670, -17.8796, 88.3428
Hunter-Lab	58.0688, 52.3405, 19.1981

# Details

The XYZ color **50.0859, 33.7199, 21.0083** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.9810, 81.5510, 100.6342**, and the grayscale version is **30.8841, 32.4924, 35.3843**.

A 20% lighter version of the original color is **62.1319, 51.4347, 44.6834**, and **24.3709, 14.3259, 7.2750** is the 20% darker color. If you saturate the color by 10%, you get **46.4659, 28.4863, 13.6171**, and if you desaturate by 10%, it is **54.8646, 40.6861, 30.5902**.

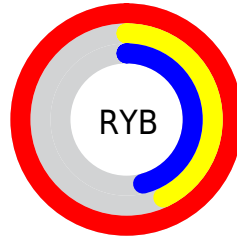
# Distribution



Red (100%)

Green (43%)

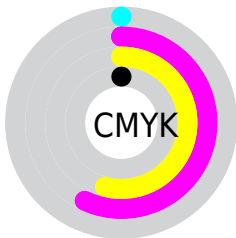
Blue (46%)



Red (100%)

Yellow (43%)

Blue (46%)

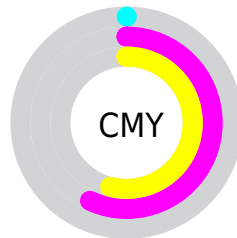


Cyan (0%)

Magenta (57%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (57%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0859, 33.7199, 21.0083 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 50.0859, 33.7199, 21.0083 by changing the saturation by 10% instead.





 50.0859, 33.7199,  
21.0083


 50.0859, 33.7199,  
21.0083

377.4482,  
318.8813, 270.1051


 35.6997, 22.6785,  
12.9388


 89.4932, 65.4979,  
45.9823

 24.3714, 14.3563,  
7.2562


 115.2450, 87.0032,  
63.7239

 15.7356, 8.3689,  
3.5419


 145.5162,  
112.7653, 85.5265

 9.4269, 4.3319,  
1.3776

180.6719,  
143.1686, 111.8088

 5.0800, 1.8609,  
0.1241

221.0776,  
178.5974, 142.9893

 2.3295, 0.5247,  
0.0000

267.0987,

 0.8097, 0.0000,

219.4362, 179.4865

0.0000

319.1004,  
266.0694, 221.7189

■ 0.0000, 0.0000,  
0.0000

■ 50.0859, 33.7199,  
21.0083

■ 50.0859, 33.7199,  
21.0083

■ 46.4659, 28.4863,  
13.6171

■ 54.8646, 40.6861,  
30.5902

■ 43.9038, 24.8286,  
8.2417

■ 60.8865, 49.5129,  
42.5155

■ 42.2854, 22.5711,  
4.6836

■ 68.2314, 60.3227,  
56.9254

■ 41.4679, 21.4902,  
2.7026

■ 76.9715, 73.2257,  
73.9492

■ 41.3194, 21.2917,  
2.3494

■ 87.1737, 88.3242,  
93.7074

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



51.7170, 33.7199, 42.9316



50.0859, 33.7199, 21.0083



43.2428, 33.7199, 10.1937

# Triad

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



50.0859, 33.7199, 21.0083



20.4530, 33.7199, 14.7273



30.0351, 33.7199, 107.8836

# Complementary

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



50.0859, 33.7199, 21.0083



58.9810, 81.5510, 100.6342

# 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.



22.9769, 33.7199, 89.8580



50.0859, 33.7199, 21.0083



18.1327, 33.7199, 31.1299

# Square

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



50.0859, 33.7199, 21.0083



25.9527, 33.7199, 7.8850



18.9648, 33.7199, 58.7738



39.0339, 33.7199, 100.9952



# Rectangle

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



50.0859, 33.7199, 21.0083



37.2195, 33.7199, 7.2961



18.9648, 33.7199, 58.7738



27.3823, 33.7199, 104.3389

# Sweetspot

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



50.0867, 33.7217, 21.0089



76.8387, 73.0292, 73.6909



61.3994, 37.8463, 98.6761



16.0470, 15.0407, 14.9963



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.



50.0867, 33.7217, 21.0089



46.1224, 27.9925, 12.9054



58.9673, 52.2110, 21.7243



18.0500, 18.0033, 18.8802



21.6066, 11.1319, 1.3127



2.1174, 1.0893, 0.1996



# Inverse Universe

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



50.0867, 33.7217, 21.0089



46.1224, 27.9925, 12.9054



43.3685, 48.3096, 101.6461



18.0500, 18.0033, 18.8802



21.6066, 11.1319, 1.3127



2.1174, 1.0893, 0.1996



# Previews

## White Background



This preview shows how the XYZ color 50.0859, 33.7199, 21.0083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 50.0859, 33.7199, 21.0083 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.0859, 33.7199, 21.0083**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.0859, 33.7199, 21.0083.



This preview shows how white text looks on a background with the XYZ color 50.0859, 33.7199,



# 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

50.0859, 33.7199, 21.0083

### Protanopia

32.1004, 33.8999, 29.6624

### Deuteranopia

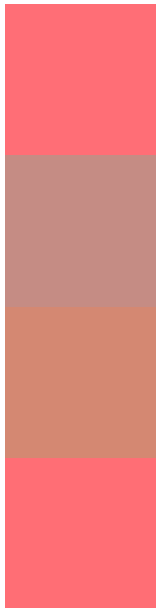
34.4294, 33.8457, 19.7572



## Tritanopia

50.0268, 33.6962, 20.6969

# Trichromacy



## Original Color

50.0859, 33.7199, 21.0083

## Protanomaly

36.5689, 32.2924, 26.1355

## Deuteranomaly

38.9928, 32.8203, 20.1994

## Tritanomaly

50.0268, 33.6962, 20.6969

# Monochromacy



## Original Color

50.0859, 33.7199, 21.0083

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

35.3821, 31.1764, 29.3521

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0859, 33.7199, 21.0083 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(255, 110, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 118)  
}
```

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(255, 110, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0859, 33.7199, 21.0083 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(255, 110, 118) }
```



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

```
.border{ border-color:rgb(255, 110, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0859, 33.7199, 21.0083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 118) }
```

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

```
.background{ background-color: rgb(255,  
110, 118) }
```

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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