

Converting Colors

XYZ(49.8839, 33.5265, 20.2911)

Have a look what the booklet for
XYZ(49.8839, 33.5265, 20.2911)
contains.

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Color

**XYZ(49.8610, 33.4582,
20.3531)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6D74
RGB	255, 109, 116
RGB Percent	100%, 43%, 45%
CMY	0.0000, 0.5725, 0.5451
CMYK	0.00, 0.57, 0.55, 0.00
HSL	357°, 100%, 71%
HSV	357°, 57%, 100%
XYZ	49.8610, 33.4582, 20.3531
YIQ	153.4520, 84.7690, 33.1290

Conversions

Conversions Part 2

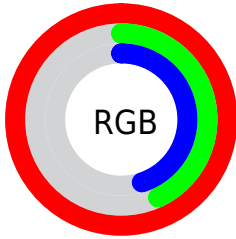
Format	Color
R _Y B	255, 109, 116
Decimal	16739700
CIE Lab	64.53, 56.14, 24.49
CIE LCh	65, 61.249, 23.569
Yxy	33.4582, 0.4809, 0.3227
Android (android.graphics.Color)	4294929780 (0xFFFF6D74)
YUV	153.4520, -18.4638, 89.0576
Hunter-Lab	57.8431, 52.6425, 19.6279

Details

The XYZ color **49.8610, 33.4582, 20.3531** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **59.0120, 81.5492, 101.4433**, and the grayscale version is **30.5287, 32.1185, 34.9771**.

A 20% lighter version of the original color is **61.7630, 50.9974, 43.6340**, and **24.2637, 14.2108, 6.9330** is the 20% darker color. If you saturate the color by 10%, you get **46.2918, 28.2924, 13.0828**, and if you desaturate by 10%, it is **54.5897, 40.3528, 29.8308**.

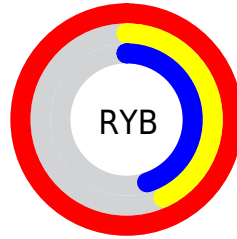
Distribution



Red (100%)

Green (43%)

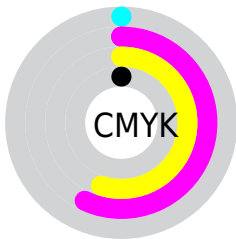
Blue (45%)



Red (100%)

Yellow (43%)

Blue (45%)

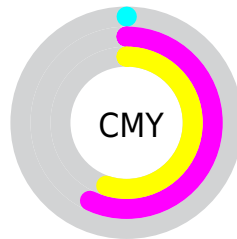


Cyan (0%)

Magenta (57%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8610, 33.4582, 20.3531 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 49.8610, 33.4582, 20.3531 by changing the saturation by 10% instead.


 49.8610, 33.4582,
20.3531


 49.8610, 33.4582,
20.3531


376.5831,
317.7094, 266.4875

 35.5203, 22.4777,
12.4654


 89.1619, 65.0902,
44.8751


 24.2323, 14.2083,
6.9351


 114.8529, 86.5105,
62.3465

 15.6317, 8.2657,
3.3437


 145.0580,
112.1796, 83.8494

 9.3531, 4.2654,
1.2727

 180.1426,
142.4817, 109.8026

 5.0312, 1.8231,
0.0393

220.4721,
177.8014, 140.6244

 2.3005, 0.5015,
0.0000

266.4117,

 0.7949, 0.0000,

218.5230, 176.7335

0.0000

318.3270,
265.0308, 218.5483

■ 0.0000, 0.0000,
0.0000

■ 49.8610, 33.4582,
20.3531

■ 49.8610, 33.4582,
20.3531

■ 46.2918, 28.2924,
13.0828

■ 54.5897, 40.3528,
29.8308

■ 43.7798, 24.6975,
7.8399

■ 60.5635, 49.1051,
41.6730

■ 42.2092, 22.4962,
4.4189

■ 67.8630, 59.8381,
56.0244

■ 41.4325, 21.4587,
2.5692

■ 76.5611, 72.6626,
73.0177

■ 41.3075, 21.2870,
2.2863

■ 86.7256, 87.6815,
92.7763

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.



51.6339, 33.4582, 42.1017



49.8610, 33.4582, 20.3531



42.8823, 33.4582, 9.7790

Triad

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



49.8610, 33.4582, 20.3531



20.0886, 33.4582, 14.6448



29.9525, 33.4582, 108.4086

Complementary

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



49.8610, 33.4582, 20.3531



59.0120, 81.5492, 101.4433

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.



22.8149, 33.4582, 90.6165



49.8610, 33.4582, 20.3531



17.8345, 33.4582, 31.2926

Square

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



49.8610, 33.4582, 20.3531



25.5336, 33.4582, 7.6996



18.7321, 33.4582, 59.3082



39.0183, 33.4582, 100.8962

Rectangle

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



49.8610, 33.4582, 20.3531



36.8044, 33.4582, 6.9940



18.7321, 33.4582, 59.3082



27.2730, 33.4582, 104.9992

Sweetspot

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



49.8618, 33.4600, 20.3537



76.7987, 73.0132, 73.4804



62.1246, 38.0608, 98.6795



16.0377, 15.0370, 14.9474



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.



49.8618, 33.4600, 20.3537



45.7794, 27.5551, 12.0252



59.2731, 52.9093, 21.5589



18.0446, 18.0012, 18.8522



21.5990, 11.1289, 1.2727



2.1149, 1.0883, 0.1863

Inverse Universe

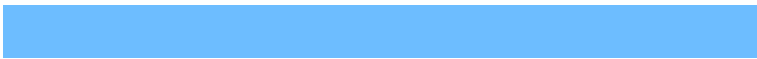
The Inverse Universe completely reimagines the original color for something new.



49.8618, 33.4600, 20.3537



45.7794, 27.5551, 12.0252



42.6207, 46.9977, 101.4324



18.0446, 18.0012, 18.8522



21.5990, 11.1289, 1.2727



2.1149, 1.0883, 0.1863

Previews

White Background



This preview shows how the XYZ color 49.8610, 33.4582, 20.3531 looks on a white background.

Color Contrast Check

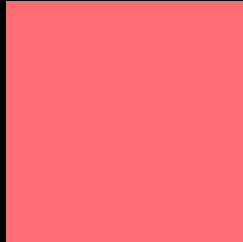
Large Text (above 18pt) WCAG AA × Fail

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 49.8610, 33.4582, 20.3531 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 49.8610, 33.4582, 20.3531

Background



This preview shows how black text looks on a background with the XYZ color 49.8610, 33.4582, 20.3531.



This preview shows how white text looks on a background with the XYZ color 49.8610, 33.4582,

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

49.8610, 33.4582, 20.3531

Protanopia

31.7858, 33.5044, 28.8365

Deuteranopia

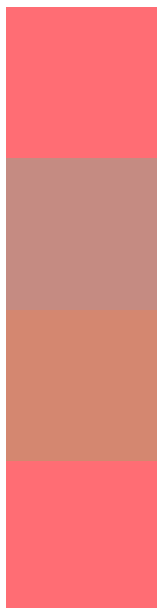
34.1602, 33.4816, 19.1302



Tritanopia

49.8610, 33.4582, 20.3531

Trichromacy



Original Color

49.8610, 33.4582, 20.3531

Protanomaly

36.2878, 31.9473, 25.3730

Deuteranomaly

38.7400, 32.4948, 19.5595

Tritanomaly

49.8610, 33.4582, 20.3531

Monochromacy



Original Color

49.8610, 33.4582, 20.3531

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.9145, 30.7319, 28.9026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8610, 33.4582, 20.3531 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, 109, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 116)  
}
```

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, 109, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 116) }
```

Border

The CSS property to change the border of an element to XYZ 49.8610, 33.4582, 20.3531 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, 109, 116) }
```


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

```
.border{ border-color:rgb(255, 109, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8610, 33.4582, 20.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 116) }
```

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

```
.background{ background-color: rgb(255,  
109, 116) }
```

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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