

Converting Colors

XYZ(78.0819, 48.0126, 20.0548)

Have a look what the booklet for
XYZ(78.0819, 48.0126, 20.0548)
contains.

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Color

**XYZ(49.5779, 33.3450,
18.8621)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6D6F
RGB	255, 109, 111
RGB Percent	100%, 43%, 44%
CMY	0.0000, 0.5725, 0.5647
CMYK	0.00, 0.57, 0.56, 0.00
HSL	359°, 100%, 71%
HSV	359°, 57%, 100%
XYZ	49.5779, 33.3450, 18.8621
YIQ	152.8820, 86.3740, 31.5740

Conversions

Conversions Part 2

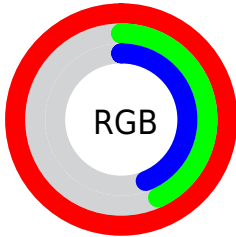
Format	Color
R _Y B	255, 109, 111
Decimal	16739695
CIE Lab	64.44, 55.77, 27.20
CIE LCh	64, 62.046, 25.998
Yxy	33.3450, 0.4871, 0.3276
Android (android.graphics.Color)	4294929775 (0xFFFF6D6F)
YUV	152.8820, -20.6478, 89.5575
Hunter-Lab	57.7451, 52.1997, 21.0549

Details

The XYZ color **49.5779, 33.3450, 18.8621** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **59.7985, 81.8638, 105.5845**, and the grayscale version is **30.2889, 31.8662, 34.7023**.

A 20% lighter version of the original color is **61.3060, 50.8146, 41.2274**, and **24.1175, 14.1523, 6.1632** is the 20% darker color. If you saturate the color by 10%, you get **46.0458, 28.1941, 11.7873**, and if you desaturate by 10%, it is **54.2902, 40.2331, 28.2539**.

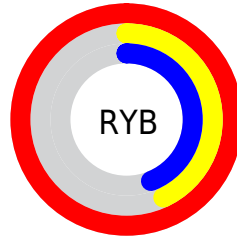
Distribution



Red (100%)

Green (43%)

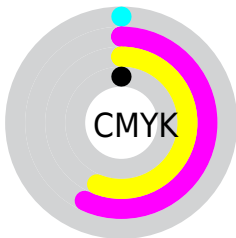
Blue (44%)



Red (100%)

Yellow (43%)

Blue (44%)

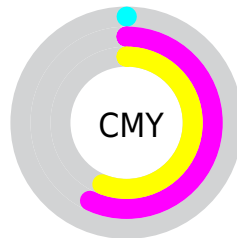


Cyan (0%)

Magenta (57%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5779, 33.3450, 18.8621 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 49.5779, 33.3450, 18.8621 by changing the saturation by 10% instead.


 49.5779, 33.3450,
18.8621


 49.5779, 33.3450,
18.8621


375.4923,
317.2015, 258.0837


 35.2945, 22.3909,
11.3949


 88.7447, 64.9138,
42.3345

 24.0574, 14.1444,
6.2156


 114.3589, 86.2972,
59.1768

 15.5012, 8.2212,
2.9057


 144.4808,
111.9259, 79.9812

 9.2605, 4.2368,
1.0467

 179.4756,
142.1842, 105.1663

 4.9699, 1.8069,
0.0000

219.7089,
177.4565, 135.1505

 2.2642, 0.4915,
0.0000

265.5458,

 0.7763, 0.0000,

218.1272, 170.3525

0.0000

317.3518,
264.5807, 211.1907

■ 0.0000, 0.0000,
0.0000

■ 49.5779, 33.3450,
18.8621

■ 49.5779, 33.3450,
18.8621

■ 46.0458, 28.1941,
11.7873

■ 54.2902, 40.2331,
28.2539

■ 43.5875, 24.6206,
6.8271

■ 60.2721, 48.9886,
40.1384

■ 42.0817, 22.4452,
3.7472

■ 67.6070, 59.7358,
54.6764

■ 41.3728, 21.4348,
2.2552

■ 76.3707, 72.5866,
72.0145

■ 41.2589, 21.2675,
2.0304

■ 86.6331, 87.6447,
92.2889

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.



51.8768, 33.3450, 39.8149



49.5779, 33.3450, 18.8621



42.1922, 33.3450, 9.0403

Triad

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



49.5779, 33.3450, 18.8621



19.5771, 33.3450, 15.3060



30.5208, 33.3450, 109.8379

Complementary

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



49.5779, 33.3450, 18.8621



59.7985, 81.8638, 105.5845

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.



23.0989, 33.3450, 93.5389



49.5779, 33.3450, 18.8621



17.5699, 33.3450, 33.0115

Square

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



49.5779, 33.3450, 18.8621



24.8049, 33.3450, 7.7601



18.7284, 33.3450, 62.1295



39.7520, 33.3450, 100.0764

Rectangle

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



49.5779, 33.3450, 18.8621



35.9909, 33.3450, 6.5803



18.7284, 33.3450, 62.1295



27.7524, 33.3450, 107.0813

Sweetspot

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



49.5787, 33.3468, 18.8627



76.6102, 72.9378, 72.4878



63.8698, 38.9605, 98.7611



15.9940, 15.0195, 14.7171



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.



49.5787, 33.3468, 18.8627



45.5418, 27.4600, 10.7735



60.2354, 54.8338, 21.8798



18.0195, 17.9911, 18.7196



21.5631, 11.1145, 1.0837



2.1029, 1.0835, 0.1233

Inverse Universe

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



49.5787, 33.3468, 18.8627



45.5418, 27.4600, 10.7735



41.5892, 44.9348, 101.0886



18.0195, 17.9911, 18.7196



21.5631, 11.1145, 1.0837



2.1029, 1.0835, 0.1233

Previews

White Background



This preview shows how the XYZ color 49.5779, 33.3450, 18.8621 looks on a white background.

Color Contrast Check

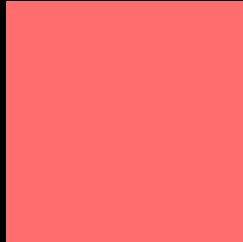
Large Text (above 18pt) WCAG AA × Fail

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 49.5779, 33.3450, 18.8621 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 49.5779, 33.3450, 18.8621

Background



This preview shows how black text looks on a background with the XYZ color 49.5779, 33.3450, 18.8621.



This preview shows how white text looks on a background with the XYZ color 49.5779, 33.3450,

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

49.5779, 33.3450, 18.8621

Protanopia

31.5704, 33.4422, 26.6208

Deuteranopia

34.1441, 33.5035, 17.7639



Tritanopia

49.8610, 33.4582, 20.3531

Trichromacy



Original Color

49.5779, 33.3450, 18.8621

Protanomaly

36.1594, 31.9262, 23.3254

Deuteranomaly

38.4692, 32.3865, 18.1336

Tritanomaly

49.7459, 33.4122, 19.7469

Monochromacy



Original Color

49.5779, 33.3450, 18.8621

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.7683, 30.6734, 28.1328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5779, 33.3450, 18.8621 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 111) }
```

Border

The CSS property to change the border of an element to XYZ 49.5779, 33.3450, 18.8621 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, 111) }
```


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

```
.border{ border-color:rgb(255, 109, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5779, 33.3450, 18.8621 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, 111) }
```

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

```
.background{ background-color: rgb(255,  
109, 111) }
```

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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