

Converting Colors

XYZ(49.3724, 33.3301, 17.5724)

Have a look what the booklet for
XYZ(49.3724, 33.3301, 17.5724)
contains.

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Color

**XYZ(49.3102, 33.2379,
17.4523)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6D6A
RGB	255, 109, 106
RGB Percent	100%, 43%, 42%
CMY	0.0000, 0.5725, 0.5843
CMYK	0.00, 0.57, 0.58, 0.00
HSL	1°, 100%, 71%
HSV	1°, 58%, 100%
XYZ	49.3102, 33.2379, 17.4523
YIQ	152.3120, 87.9790, 30.0190

Conversions

Conversions Part 2

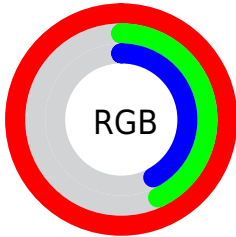
Format	Color
R _Y B	255, 109, 106
Decimal	16739690
CIE Lab	64.35, 55.41, 29.90
CIE LCh	64, 62.965, 28.350
Yxy	33.2379, 0.4931, 0.3324
Android (android.graphics.Color)	4294929770 (0xFFFF6D6A)
YUV	152.3120, -22.8318, 90.0574
Hunter-Lab	57.6523, 51.7800, 22.4086

Details

The XYZ color **49.3102, 33.2379, 17.4523** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.8017, 79.8998, 106.9304**, and the grayscale version is **30.0501, 31.6150, 34.4287**.

A 20% lighter version of the original color is **60.7809, 50.6046, 38.4624**, and **23.8007, 14.0684, 5.5987** is the 20% darker color. If you saturate the color by 10%, you get **45.8786, 28.1909, 10.7102**, and if you desaturate by 10%, it is **53.8949, 39.9608, 26.5238**.

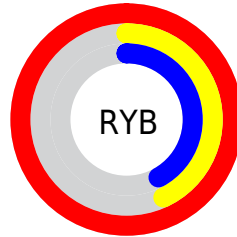
Distribution



Red (100%)

Green (43%)

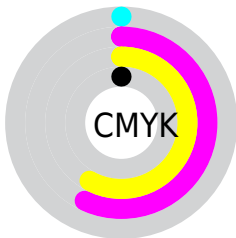
Blue (42%)



Red (100%)

Yellow (43%)

Blue (42%)

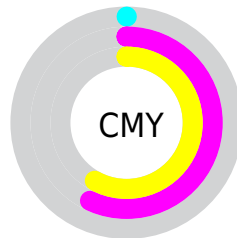


Cyan (0%)

Magenta (57%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3102, 33.2379, 17.4523 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 49.3102, 33.2379, 17.4523 by changing the saturation by 10% instead.


 49.3102, 33.2379,
17.4523


 49.3102, 33.2379,
17.4523

374.4590,
316.7204, 249.8971

 35.0812, 22.3088,
10.3921


 88.3499, 64.7468,
39.9031

 23.8922, 14.0839,
5.5507


 113.8914, 86.0953,
56.1308

 15.3780, 8.1791,
2.5095


 143.9343,
111.6857, 76.2514

 9.1731, 4.2097,
0.8452

 178.8441,
141.9025, 100.6834

 4.9123, 1.7916,
0.0000

218.9861,
177.1299, 129.8455

 2.2301, 0.4819,
0.0000

264.7257,

 0.7585, 0.0000,

217.7524, 164.1561

0.0000

316.4282,
264.1544, 204.0338

■ 0.0000, 0.0000,
0.0000

■ 49.3102, 33.2379,
17.4523

■ 49.3102, 33.2379,
17.4523

■ 45.8786, 28.1909,
10.7102

■ 53.8949, 39.9608,
26.5238

■ 43.4954, 24.6677,
6.0834

■ 59.7203, 48.4834,
38.1093

■ 42.0414, 22.4982,
3.3219

■ 66.8683, 58.9243,
52.3770

■ 41.3602, 21.4655,
2.0782

■ 75.4132, 71.3902,
69.4800

■ 41.2957, 21.3717,
1.9486

■ 85.4237, 85.9803,
89.5599

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.



52.1333, 33.2379, 37.6303



49.3102, 33.2379, 17.4523



41.5225, 33.2379, 8.3409

Triad

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



49.3102, 33.2379, 17.4523



19.0774, 33.2379, 15.9819



31.0980, 33.2379, 111.3153

Complementary

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



49.3102, 33.2379, 17.4523



58.8017, 79.8998, 106.9304

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.



23.3857, 33.2379, 96.5426



49.3102, 33.2379, 17.4523



17.3093, 33.2379, 34.7877

Square

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



49.3102, 33.2379, 17.4523



24.0961, 33.2379, 7.8179



18.7250, 33.2379, 65.0420



40.4997, 33.2379, 99.3022

Rectangle

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



49.3102, 33.2379, 17.4523



35.2003, 33.2379, 6.1827



18.7250, 33.2379, 65.0420



28.2384, 33.2379, 109.2217

Sweetspot

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



49.3110, 33.2397, 17.4529



75.8142, 71.9747, 70.2832



64.0466, 38.6292, 96.6055



15.6595, 14.5775, 13.9059



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.



49.3110, 33.2397, 17.4529



45.4382, 27.5413, 9.8501



60.7715, 56.1607, 21.2730



18.0388, 18.0457, 18.6768



21.5907, 11.1926, 1.0224



2.1121, 1.1096, 0.1028

Inverse Universe

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



58.8017, 79.8998, 106.9304



55.6916, 78.0194, 106.7317



39.9177, 42.1317, 100.6357



18.5216, 20.4148, 23.2142



27.2845, 39.4786, 55.6167



2.6662, 3.8632, 5.4184

Previews

White Background



This preview shows how the XYZ color 49.3102, 33.2379, 17.4523 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 49.3102, 33.2379, 17.4523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

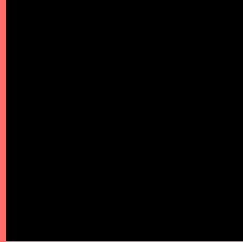
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3102, 33.2379, 17.4523

Background



This preview shows how black text looks on a background with the XYZ color 49.3102, 33.2379, 17.4523.



This preview shows how white text looks on a background with the XYZ color 49.3102, 33.2379,

17.4523.

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

49.3102, 33.2379, 17.4523

Protanopia

31.3802, 33.3903, 24.5297

Deuteranopia

33.9858, 33.2146, 16.4242



Tritanopia

49.6971, 33.2229, 20.0130

Trichromacy



Original Color

49.3102, 33.2379, 17.4523

Protanomaly

35.8511, 31.8029, 21.7018

Deuteranomaly

38.3639, 32.1556, 16.7550

Tritanomaly

49.5272, 33.1550, 19.1184

Monochromacy



Original Color

49.3102, 33.2379, 17.4523

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

34.1636, 30.1764, 26.9457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3102, 33.2379, 17.4523 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 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(255, 109, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 106) }
```

Border

The CSS property to change the border of an element to XYZ 49.3102, 33.2379, 17.4523 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, 106) }
```


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

```
.border{ border-color:rgb(255, 109, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3102, 33.2379, 17.4523 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, 106) }
```

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

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