

Converting Colors

XYZ(49.1859, 32.8971, 17.6952)

Have a look what the booklet for
XYZ(49.1859, 32.8971, 17.6952)
contains.

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Color

**XYZ(49.1515, 32.8369,
17.6575)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6B6B
RGB	255, 107, 107
RGB Percent	100%, 42%, 42%
CMY	0.0000, 0.5804, 0.5804
CMYK	0.00, 0.58, 0.58, 0.00
HSL	0°, 100%, 71%
HSV	0°, 58%, 100%
XYZ	49.1515, 32.8369, 17.6575
YIQ	151.2520, 88.2080, 31.3760

Conversions

Conversions Part 2

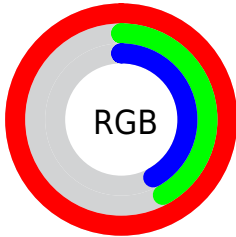
Format	Color
R _Y B	255, 107, 107
Decimal	16739179
CIE Lab	64.03, 56.38, 28.92
CIE LCh	64, 63.362, 27.152
Yxy	32.8369, 0.4933, 0.3295
Android (android.graphics.Color)	4294929259 (0xFFFF6B6B)
YUV	151.2520, -21.8162, 90.9870
Hunter-Lab	57.3035, 52.8255, 21.8428

Details

The XYZ color **49.1515, 32.8369, 17.6575** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **59.8706, 81.8602, 107.2523**, and the grayscale version is **29.5887, 31.1296, 33.9001**.

A 20% lighter version of the original color is **60.5087, 49.9230, 38.7947**, and **23.6944, 13.8139, 5.6925** is the 20% darker color. If you saturate the color by 10%, you get **45.7243, 27.8225, 10.8438**, and if you desaturate by 10%, it is **53.7593, 39.5801, 26.8162**.

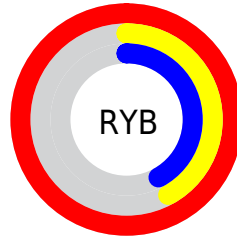
Distribution



Red (100%)

Green (42%)

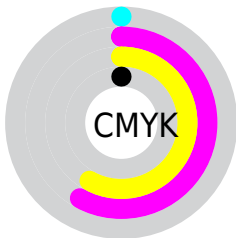
Blue (42%)



Red (100%)

Yellow (42%)

Blue (42%)

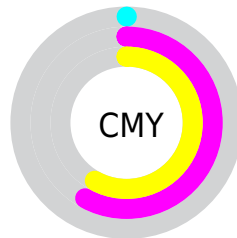


Cyan (0%)

Magenta (58%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1515, 32.8369, 17.6575 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 49.1515, 32.8369, 17.6575 by changing the saturation by 10% instead.


 49.1515, 32.8369,
17.6575


 49.1515, 32.8369,
17.6575


373.8455,
314.9142, 251.1043


 34.9547, 22.0015,
10.5375


 88.1158, 64.1208,
40.2589


 23.7943, 13.8580,
5.6465


 113.6140, 85.3381,
56.5773

 15.3050, 8.0220,
2.5661


 143.6101,
110.7849, 76.7989

 9.1215, 4.1090,
0.8749

 178.4693,
140.8455, 101.3423

 4.8782, 1.7347,
0.0000

218.5571,
175.9043, 130.6260

 2.2100, 0.4460,
0.0000

264.2389,

 0.7480, 0.0000,

216.3458, 165.0686

0.0000

315.8799,
262.5543, 205.0885

■ 0.0000, 0.0000,
0.0000

■ 49.1515, 32.8369,
17.6575

■ 49.1515, 32.8369,
17.6575

■ 45.7243, 27.8225,
10.8438

■ 53.7593, 39.5801,
26.8162

■ 43.3684, 24.3749,
6.1606

■ 59.6393, 48.1843,
38.5053

■ 41.9579, 22.3109,
3.3571

■ 66.8770, 58.7752,
52.8934

■ 41.3216, 21.3797,
2.0924

■ 75.5497, 71.4658,
70.1344

■ 41.2399, 21.2602,
1.9300

■ 85.7290, 86.3609,
90.3704

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.



51.7320, 32.8369, 38.2579



49.1515, 32.8369, 17.6575



41.4998, 32.8369, 8.2847

Triad

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



49.1515, 32.8369, 17.6575



18.8767, 32.8369, 15.1388



30.3636, 32.8369, 110.9614

Complementary

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



49.1515, 32.8369, 17.6575



59.8706, 81.8602, 107.2523

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.



22.7802, 32.8369, 95.1510



49.1515, 32.8369, 17.6575



16.9916, 32.8369, 33.3615

Square

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



49.1515, 32.8369, 17.6575



24.0014, 32.8369, 7.3951



18.2720, 32.8369, 63.2709



39.7353, 32.8369, 99.9296

Rectangle

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



49.1515, 32.8369, 17.6575



35.1934, 32.8369, 6.0230



18.2720, 32.8369, 63.2709



27.5400, 32.8369, 108.4855

Sweetspot

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



49.1523, 32.8387, 17.6581



76.5362, 72.9092, 72.0951



64.5475, 38.9954, 98.7321



15.9768, 15.0128, 14.6261



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.



49.1523, 32.8387, 17.6581



45.1817, 27.0282, 9.7646



60.4176, 55.3692, 21.4131



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

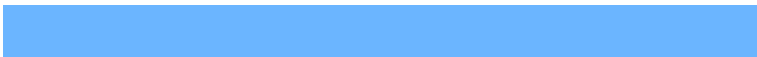
The Inverse Universe completely reimagines the original color for something new.



59.8706, 81.8602, 107.2523



56.8273, 80.2908, 107.1103



40.6373, 43.3936, 100.8412



18.5549, 20.4813, 23.2253



28.1146, 41.1388, 55.8934



2.7374, 4.0056, 5.4421

Previews

White Background



This preview shows how the XYZ color 49.1515, 32.8369, 17.6575 looks on a white background.

Color Contrast Check

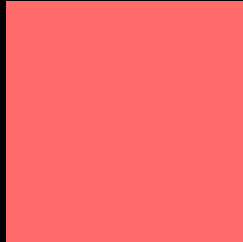
Large Text (above 18pt) WCAG AA × Fail

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 49.1515, 32.8369, 17.6575 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 49.1515, 32.8369, 17.6575

Background



This preview shows how black text looks on a background with the XYZ color 49.1515, 32.8369, 17.6575.



This preview shows how white text looks on a background with the XYZ color 49.1515, 32.8369,

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

49.1515, 32.8369, 17.6575

Protanopia

30.9275, 32.8937, 25.1411

Deuteranopia

33.5412, 32.9798, 16.6545



Tritanopia

49.3747, 32.7603, 19.3438

Trichromacy



Original Color

49.1515, 32.8369, 17.6575

Protanomaly

35.5046, 31.4033, 21.9595

Deuteranomaly

38.1247, 32.0265, 17.0043

Tritanomaly

49.2633, 32.7158, 18.7572

Monochromacy



Original Color

49.1515, 32.8369, 17.6575

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.0234, 29.8960, 26.8990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1515, 32.8369, 17.6575 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, 107, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 107)  
}
```

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, 107, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 107) }
```

Border

The CSS property to change the border of an element to XYZ 49.1515, 32.8369, 17.6575 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, 107, 107) }
```


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

```
.border{ border-color:rgb(255, 107, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1515, 32.8369, 17.6575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 107) }
```

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

```
.background{ background-color: rgb(255,  
107, 107) }
```

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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