

# Converting Colors

XYZ(50.8426, 35.3052, 18.2419)

Have a look what the booklet for  
XYZ(50.8426, 35.3052, 18.2419)  
contains.

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# Color

**XYZ(50.3081, 35.0653,  
18.3041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF756C
RGB	255, 117, 108
RGB Percent	100%, 46%, 42%
CMY	0.0000, 0.5411, 0.5765
CMYK	0.00, 0.54, 0.58, 0.00
HSL	4°, 100%, 71%
HSV	4°, 58%, 100%
XYZ	50.3081, 35.0653, 18.3041
YIQ	157.2360, 85.1370, 26.4570

# Conversions

## Conversions Part 2

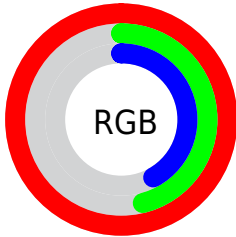
Format	Color
R <sub>Y</sub> B	255, 118, 108
Decimal	16741740
CIE Lab	65.80, 51.87, 30.65
CIE LCh	66, 60.251, 30.581
Yxy	35.0653, 0.4852, 0.3382
Android (android.graphics.Color)	4294931820 (0xFFFF756C)
YUV	157.2360, -24.2733, 85.7390
Hunter-Lab	59.2160, 48.0203, 23.1242

# Details

The XYZ color **50.3081, 35.0653, 18.3041** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.1878, 76.3149, 106.3235**, and the grayscale version is **32.2343, 33.9130, 36.9313**.

A 20% lighter version of the original color is **62.3377, 53.3031, 40.2607**, and **24.5306, 15.1089, 5.8984** is the 20% darker color. If you saturate the color by 10%, you get **46.7026, 29.7179, 11.3576**, and if you desaturate by 10%, it is **55.0251, 42.0010, 27.5791**.

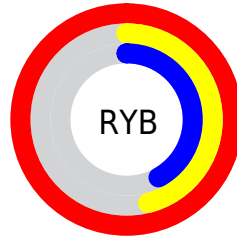
# Distribution



Red (100%)

Green (46%)

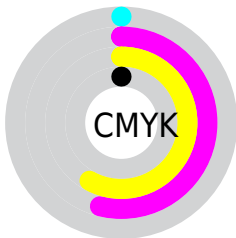
Blue (42%)



Red (100%)

Yellow (46%)

Blue (42%)

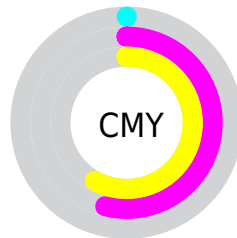


Cyan (0%)

Magenta (54%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3081, 35.0653, 18.3041 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 50.3081, 35.0653, 18.3041 by changing the saturation by 10% instead.





 50.3081, 35.0653,  
18.3041


 50.3081, 35.0653,  
18.3041


378.3017,  
324.8565, 254.8730


 35.8771, 23.7132,  
10.9968

 89.8203, 67.5869,  
41.3757


 24.5089, 15.1210,  
5.9506


 115.6322, 89.5252,  
57.9772

 15.8384, 8.9043,  
2.7467


 145.9684,  
115.7610, 78.5138

 9.5000, 4.6788,  
0.9668

 181.1942,  
146.6787, 103.4041

 5.1284, 2.0601,  
0.0000

221.6752,  
182.6627, 133.0666

 2.3583, 0.6420,  
0.0000

267.7765,

 0.8243, 0.0000,

224.0974, 167.9199

0.0000

319.8635,  
271.3672, 208.3825

■ 0.0000, 0.0000,  
0.0000

■ 50.3081, 35.0653,  
18.3041

■ 50.3081, 35.0653,  
18.3041

■ 46.7026, 29.7179,  
11.3576

■ 55.0251, 42.0010,  
27.5791

■ 44.1147, 25.8280,  
6.5312

■ 60.9320, 50.6313,  
39.3627

■ 42.4397, 23.2533,  
3.5827

■ 68.1032, 61.0598,  
53.8194

■ 41.5457, 21.8190,  
2.1941

■ 76.6063, 73.3800,  
71.0995

■ 41.4196, 21.6195,  
1.9899

■ 86.5038, 87.6793,  
91.3417

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.



53.4993, 35.0653, 37.6862



50.3081, 35.0653, 18.3041



42.4452, 35.0653, 9.4507

# Triad

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



50.3081, 35.0653, 18.3041



20.5512, 35.0653, 18.8355



33.5021, 35.0653, 110.9893

# Complementary

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



50.3081, 35.0653, 18.3041



57.1878, 76.3149, 106.3235

# 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.



25.6208, 35.0653, 98.6314



50.3081, 35.0653, 18.3041



18.9966, 35.0653, 38.6784

# Square

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



50.3081, 35.0653, 18.3041



25.3698, 35.0653, 9.6477



20.6769, 35.0653, 68.8777



42.7987, 35.0653, 97.7003



# Rectangle

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



50.3081, 35.0653, 18.3041



36.2036, 35.0653, 7.3937



20.6769, 35.0653, 68.8777



30.6098, 35.0653, 109.6560

# Sweetspot

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



50.3089, 35.0672, 18.3047



77.2037, 74.2441, 72.3176



63.4915, 38.7408, 92.6536



16.1317, 15.3226, 14.6777



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.



50.3089, 35.0672, 18.3047



46.2951, 29.1092, 10.5853



62.1121, 58.6734, 22.2391



18.0987, 18.1656, 18.6967



21.6769, 11.3650, 1.0512



2.1405, 1.1664, 0.1123



# Inverse Universe

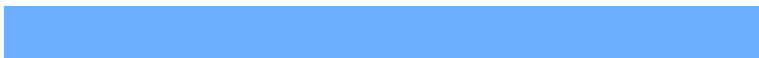
The Inverse Universe completely reimagines the original color for something new.



57.1878, 76.3149, 106.3235



53.6951, 73.7174, 106.0066



39.3995, 40.7384, 100.3941



18.4539, 20.2795, 23.1917



25.6583, 36.2261, 55.0746



2.5260, 3.5827, 5.3717



# Previews

## White Background



This preview shows how the XYZ color 50.3081, 35.0653, 18.3041 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 50.3081, 35.0653, 18.3041 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 50.3081, 35.0653, 18.3041**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3081, 35.0653, 18.3041.



This preview shows how white text looks on a background with the XYZ color 50.3081, 35.0653,



# 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

50.3081, 35.0653, 18.3041

### Protanopia

32.9143, 35.1940, 24.7970

### Deuteranopia

35.7818, 35.0792, 17.4554



## Tritanopia

50.9459, 34.9515, 22.8001

# Trichromacy



## Original Color

50.3081, 35.0653, 18.3041

## Protanomaly

37.3904, 33.6959, 21.9860

## Deuteranomaly

40.1957, 34.3546, 17.6093

## Tritanomaly

50.7554, 35.0588, 21.2315

# Monochromacy



## Original Color

50.3081, 35.0653, 18.3041

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

36.3255, 32.5475, 28.7938

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3081, 35.0653, 18.3041 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, 117, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 108)  
}
```

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, 117, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3081, 35.0653, 18.3041 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, 117, 108) }
```



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

```
.border{ border-color:rgb(255, 117, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3081, 35.0653, 18.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 108) }
```

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

```
.background{ background-color: rgb(255,  
117, 108) }
```

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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