

# Converting Colors

XYZ(50.4084, 37.6093, 18.2304)

Have a look what the booklet for  
XYZ(50.4084, 37.6093, 18.2304)  
contains.

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# Color

**XYZ(50.3678, 37.5151,  
18.2221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB826A
RGB	251, 130, 106
RGB Percent	98%, 51%, 42%
CMY	0.0157, 0.4902, 0.5843
CMYK	0.00, 0.48, 0.58, 0.02
HSL	10°, 95%, 70%
HSV	10°, 58%, 98%
XYZ	50.3678, 37.5151, 18.2221
YIQ	163.4430, 79.8200, 18.1880

# Conversions

## Conversions Part 2

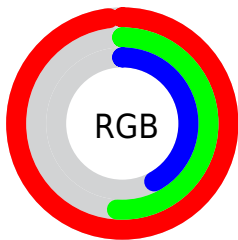
Format	Color
R <sub>Y</sub> B	251, 135, 106
Decimal	16482922
CIE Lab	67.66, 44.00, 34.03
CIE LCh	68, 55.626, 37.715
Yxy	37.5151, 0.4747, 0.3536
Android (android.graphics.Color)	4294673002 (0xFFFB826A)
YUV	163.4430, -28.3194, 76.7875
Hunter-Lab	61.2496, 39.6004, 25.2356

# Details

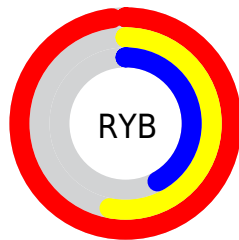
The XYZ color **50.3678, 37.5151, 18.2221** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.8236, 64.9635, 101.1268**, and the grayscale version is **35.1268, 36.9561, 40.2452**.

A 20% lighter version of the original color is **64.7605, 58.4265, 40.2120**, and **24.4039, 16.4321, 5.8885** is the 20% darker color. If you saturate the color by 10%, you get **46.7404, 32.0526, 11.4884**, and if you desaturate by 10%, it is **54.9459, 44.2683, 27.1573**.

# Distribution



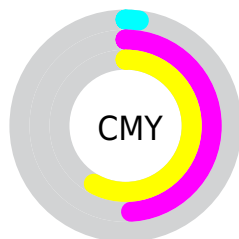
- Red (98%)
- Green (51%)
- Blue (42%)



- Red (98%)
- Yellow (53%)
- Blue (42%)



- Cyan (0%)
- Magenta (48%)
- Yellow (58%)
- Black (2%)




- Cyan (2%)
- Magenta (49%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3678, 37.5151, 18.2221 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 50.3678, 37.5151, 18.2221 by changing the saturation by 10% instead.





 50.3678, 37.5151,  
18.2221


 50.3678, 37.5151,  
18.2221

378.5308,  
335.5353, 254.3980

 35.9247, 25.6066,  
10.9385


 89.9082, 71.3643,  
41.2345


 24.5459, 16.5295,  
5.9118


 115.7361, 94.0738,  
57.8003

 15.8660, 9.8996,  
2.7236


 146.0898,  
121.1523, 78.2972

 9.5196, 5.3325,  
0.9553

 181.3345,  
152.9843, 103.1438

 5.1414, 2.4436,  
0.0000

221.8356,  
189.9543, 132.7587

 2.3661, 0.8482,  
0.0000

267.9584,

 0.8282, 0.0000,

232.4465, 167.5603

0.0000

320.0684,  
280.8453, 207.9672

■ 0.0000, 0.0000,  
0.0000

■ 50.3678, 37.5151,  
18.2221

■ 50.3678, 37.5151,  
18.2221

■ 46.7404, 32.0526,  
11.4884

■ 54.9459, 44.2683,  
27.1573

■ 43.9919, 27.7917,  
6.7617

■ 60.5340, 52.3818,  
38.4620

■ 42.0444, 24.6416,  
3.8161

■ 67.1896, 61.9272,  
52.2900

■ 40.8002, 22.4935,  
2.3521

■ 74.9650, 72.9692,  
68.7816

■ 40.5958, 22.1338,  
2.1326

■ 83.9090, 85.5687,  
88.0666

93.5935, 99.2491,  
108.8318

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.6353, 37.5151, 34.8260



50.3678, 37.5151, 18.2221



42.2874, 37.5151, 10.8675

# Triad

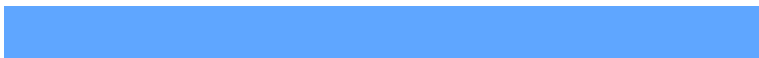
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.3678, 37.5151, 18.2221



22.4642, 37.5151, 25.4201



37.9184, 37.5151, 107.8526

# Complementary

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



50.3678, 37.5151, 18.2221



50.8236, 64.9635, 101.1268

# 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.



29.7586, 37.5151, 102.0350



50.3678, 37.5151, 18.2221



21.6776, 37.5151, 47.5260

# Square

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



50.3678, 37.5151, 18.2221



26.4853, 37.5151, 13.7088



24.1318, 37.5151, 77.1130



46.7337, 37.5151, 90.7950



# Rectangle

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



50.3678, 37.5151, 18.2221



36.3188, 37.5151, 9.4860



24.1318, 37.5151, 77.1130



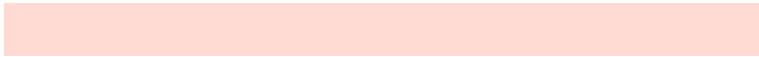
35.0032, 37.5151, 108.5998

# Sweetspot

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



50.3687, 37.5171, 18.2228



78.3660, 76.5688, 72.7050



59.1154, 36.4885, 78.2389



16.4023, 15.8637, 14.7679



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.



50.3687, 37.5171, 18.2228



48.0348, 32.5886, 11.1652



63.0973, 62.9742, 22.4656



17.4767, 17.6893, 17.9557



21.4083, 11.7732, 1.1441



2.0468, 1.2184, 0.1273



# Inverse Universe

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



50.8236, 64.9635, 101.1268



48.4393, 63.2058, 104.2547



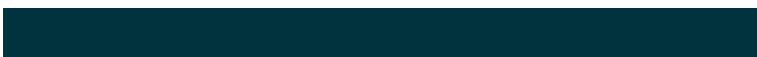
35.3713, 34.0588, 95.9761



17.5069, 19.0905, 22.1474



21.2874, 27.9303, 52.2427



2.0345, 2.7126, 4.8595



# Previews

## White Background



This preview shows how the XYZ color 50.3678, 37.5151, 18.2221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

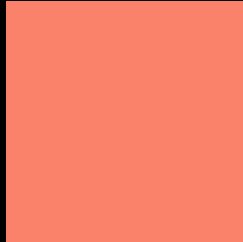
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.3678, 37.5151, 18.2221 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 50.3678, 37.5151, 18.2221**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3678, 37.5151, 18.2221.



This preview shows how white text looks on a background with the XYZ color 50.3678, 37.5151,



# 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

50.3678, 37.5151, 18.2221

### Protanopia

35.2054, 37.7313, 23.1966

### Deuteranopia

38.3952, 37.6727, 17.5598



## Tritanopia

52.3420, 37.5536, 27.4115

# Trichromacy



## Original Color

50.3678, 37.5151, 18.2221

## Protanomaly

39.4996, 36.6734, 21.2165

## Deuteranomaly

42.2515, 37.2192, 17.7891

## Tritanomaly

51.3723, 37.3294, 23.5665

# Monochromacy



## Original Color

50.3678, 37.5151, 18.2221

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

38.4548, 35.6883, 30.4529

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3678, 37.5151, 18.2221 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(251, 130, 106)` looks like.

```
.text, #text, p{  
    color:rgb(251, 130, 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(251, 130, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 130, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3678, 37.5151, 18.2221 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(251, 130, 106) }
```



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

```
.border{ border-color:rgb(251, 130, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 130, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 130, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 130, 106);  
box-shadow:4px 4px 4px 4px rgb(251, 130,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3678, 37.5151, 18.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 130, 106) }
```

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

```
.background{ background-color: rgb(251,  
130, 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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