

# Converting Colors

XYZ(106.3236, 70.8251,  
21.6459)

Have a look what the booklet for  
XYZ(106.3236, 70.8251, 21.6459)  
contains.

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# Color

**XYZ(54.9081, 44.4338,  
19.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF976A
RGB	255, 151, 106
RGB Percent	100%, 59%, 42%
CMY	0.0000, 0.4078, 0.5843
CMYK	0.00, 0.41, 0.58, 0.00
HSL	18°, 100%, 71%
HSV	18°, 58%, 100%
XYZ	54.9081, 44.4338, 19.3183
YIQ	176.9660, 76.4290, 8.0530

# Conversions

## Conversions Part 2

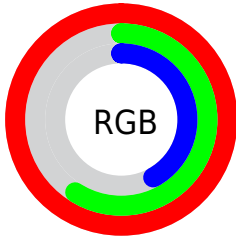
Format	Color
R <sub>Y</sub> B	255, 170, 106
Decimal	16750442
CIE Lab	72.52, 34.88, 40.23
CIE LCh	73, 53.250, 49.074
Yxy	44.4338, 0.4627, 0.3745
Android (android.graphics.Color)	4294940522 (0xFFFF976A)
YUV	176.9660, -34.9862, 68.4358
Hunter-Lab	66.6587, 30.3814, 29.4783

# Details

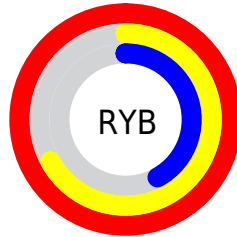
The XYZ color **54.9081, 44.4338, 19.3183** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.0390, 56.3743, 103.0093**, and the grayscale version is **41.9231, 44.1063, 48.0318**.

A 20% lighter version of the original color is **69.4829, 67.8712, 41.7861**, and **27.4485, 20.6884, 6.4175** is the 20% darker color. If you saturate the color by 10%, you get **51.1226, 38.6791, 12.4583**, and if you desaturate by 10%, it is **59.5223, 51.2156, 28.3998**.

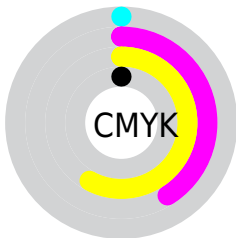
# Distribution



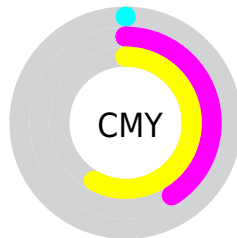
- Red (100%)
- Green (59%)
- Blue (42%)



- Red (100%)
- Yellow (67%)
- Blue (42%)



- Cyan (0%)
- Magenta (41%)
- Yellow (58%)
- Black (0%)



- Cyan (0%)
- Magenta (41%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9081, 44.4338, 19.3183 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 54.9081, 44.4338, 19.3183 by changing the saturation by 10% instead.



54.9081, 44.4338,  
19.3183

54.9081, 44.4338,  
19.3183

395.7056,  
364.4756, 260.6814

39.5617, 31.0117,  
11.7214

96.5554, 81.8701,  
43.1151

27.3797, 20.6077,  
6.4340

123.5870,  
106.6531, 60.1520

17.9966, 12.8376,  
3.0377

155.2444,  
135.9918, 81.1727

11.0472, 7.3168,  
1.1139

191.8929,  
170.2707, 106.5957

6.1661, 3.6610,  
0.0000

233.8980,  
209.8741, 136.8396

2.9880, 1.4858,  
0.0000

281.6248,

1.1474, 0.2787,

255.1865, 172.3227

0.0000

335.4389,  
306.5922, 213.4638

■ 0.0642, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.9081, 44.4338,  
19.3183

■ 54.9081, 44.4338,  
19.3183

■ 51.1226, 38.6791,  
12.4583

■ 59.5223, 51.2156,  
28.3998

■ 48.1073, 33.8914,  
7.6208


■ 65.0118, 59.0664,  
39.8734


■ 45.7995, 30.0145,  
4.5747

■ 71.4232, 68.0341,  
53.8957

■ 44.1170, 26.9792,  
2.9972

■ 78.7989, 78.1615,  
70.6090

 43.8953, 26.5710,  
2.8152

 87.1781, 89.4890,  
90.1452

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.



61.2464, 44.4338, 33.6466



54.9081, 44.4338, 19.3183



45.6740, 44.4338, 13.7461

# Triad

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



54.9081, 44.4338, 19.3183



27.1412, 44.4338, 39.4029



48.2792, 44.4338, 113.7607

# Complementary

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



54.9081, 44.4338, 19.3183



47.0390, 56.3743, 103.0093

# 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.



38.9693, 44.4338, 117.0859



54.9081, 44.4338, 19.3183



27.6284, 44.4338, 66.8891

# Square

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



54.9081, 44.4338, 19.3183



30.2319, 44.4338, 22.2109



31.6760, 44.4338, 97.6178



57.0518, 44.4338, 89.7164



# Rectangle

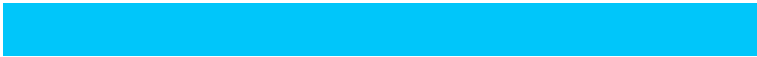
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



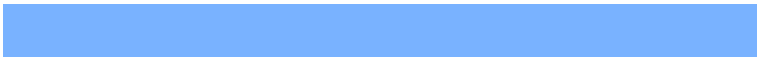
54.9081, 44.4338, 19.3183



39.5051, 44.4338, 13.6237



31.6760, 44.4338, 97.6178



45.0836, 44.4338, 117.5990

# Sweetspot

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



54.9092, 44.4361, 19.3191



79.1392, 78.6247, 71.3915



58.0643, 36.2364, 65.1030



16.4552, 16.1688, 14.1711



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.



54.9092, 44.4361, 19.3191



50.6002, 37.8652, 11.5708



70.8206, 76.2591, 24.6229



18.4567, 18.8815, 18.8161



23.0502, 14.1116, 1.5089



2.3354, 1.5561, 0.1773



# Inverse Universe

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



47.0390, 56.3743, 103.0093



41.9764, 50.5891, 102.1600



32.7701, 27.8366, 98.2530



18.0646, 19.5007, 23.0619



17.8852, 20.6799, 52.4836



1.8375, 2.2057, 5.1422



# Previews

## White Background



This preview shows how the XYZ color 54.9081, 44.4338, 19.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

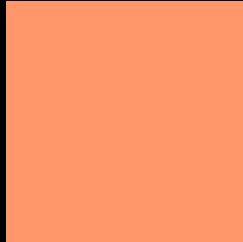
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.9081, 44.4338, 19.3183 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 54.9081, 44.4338, 19.3183**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.9081, 44.4338, 19.3183.



This preview shows how white text looks on a background with the XYZ color 54.9081, 44.4338,



# 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

54.9081, 44.4338, 19.3183

### Protanopia

41.3209, 44.5711, 22.9482

### Deuteranopia

45.3883, 44.4605, 18.7599



## Tritanopia

57.7595, 44.5618, 37.4553

# Trichromacy



## Original Color

54.9081, 44.4338, 19.3183

## Protanomaly

45.2462, 43.7740, 21.3937

## Deuteranomaly

48.5004, 44.1626, 18.7999

## Tritanomaly

56.4173, 44.2748, 29.6171

# Monochromacy



## Original Color

54.9081, 44.4338, 19.3183

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

44.7654, 43.2188, 35.2608

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.9081, 44.4338, 19.3183 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, 151, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 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, 151, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 54.9081, 44.4338, 19.3183 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, 151, 106) }
```



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

```
.border{ border-color:rgb(255, 151, 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, 151, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.9081, 44.4338, 19.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 106) }
```

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

```
.background{ background-color: rgb(255,  
151, 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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