

# Converting Colors

XYZ(81.1294, 55.2992, 20.0548)

Have a look what the booklet for  
XYZ(81.1294, 55.2992, 20.0548)  
contains.

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# Color

**XYZ(53.0741, 40.7658,  
18.7070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8B6A
RGB	255, 139, 106
RGB Percent	100%, 55%, 42%
CMY	0.0000, 0.4549, 0.5843
CMYK	0.00, 0.45, 0.58, 0.00
HSL	13°, 100%, 71%
HSV	13°, 58%, 100%
XYZ	53.0741, 40.7658, 18.7070
YIQ	169.9220, 79.7290, 14.3290

# Conversions

## Conversions Part 2

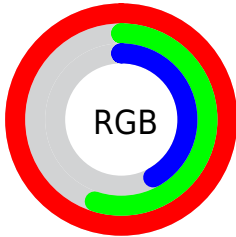
Format	Color
R <sub>Y</sub> B	255, 148, 106
Decimal	16747370
CIE Lab	70.01, 41.00, 37.11
CIE LCh	70, 55.298, 42.153
Yxy	40.7658, 0.4716, 0.3622
Android (android.graphics.Color)	4294937450 (0xFFFF8B6A)
YUV	169.9220, -31.5135, 74.6134
Hunter-Lab	63.8481, 36.6450, 27.3222

# Details

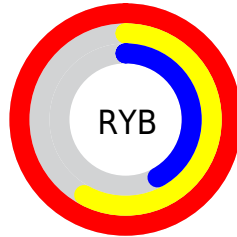
The XYZ color **53.0741, 40.7658, 18.7070** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.1135, 62.5233, 104.0341**, and the grayscale version is **38.2950, 40.2893, 43.8750**.

A 20% lighter version of the original color is **66.7033, 62.3122, 40.8596**, and **26.0838, 18.2985, 6.1602** is the 20% darker color. If you saturate the color by 10%, you get **49.3218, 35.0774, 11.8580**, and if you desaturate by 10%, it is **57.7444, 47.6599, 27.8072**.

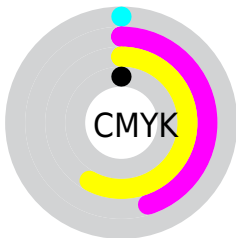
# Distribution



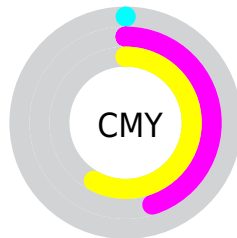
- Red (100%)
- Green (55%)
- Blue (42%)



- Red (100%)
- Yellow (58%)
- Blue (42%)



- Cyan (0%)
- Magenta (45%)
- Yellow (58%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0741, 40.7658, 18.7070 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 53.0741, 40.7658, 18.7070 by changing the saturation by 10% instead.





 53.0741, 40.7658,  
18.7070

 53.0741, 40.7658,  
18.7070


388.8256,  
349.3408, 257.1950


 38.0896, 28.1361,  
11.2841


 93.8783, 76.3282,  
42.0685


 26.2298, 18.4283,  
6.1417


 120.4287,  
100.0298, 58.8442

 17.1292, 11.2579,  
2.8612


 151.5652,  
128.1908, 79.5745

 10.4225, 6.2406,  
1.0242

 187.6531,  
161.1956, 104.6780

 5.7444, 2.9919,  
0.0000

229.0577,  
199.4286, 134.5733

 2.7295, 1.1275,  
0.0000

276.1444,

 1.0124, 0.0013,

243.2742, 169.6789

0.0000

329.2786,  
293.1168, 210.4133

■ 0.0000, 0.0000,  
0.0000

■ 53.0741, 40.7658,  
18.7070

■ 53.0741, 40.7658,  
18.7070

■ 49.3218, 35.0774,  
11.8580

■ 57.7444, 47.6599,  
27.8072

■ 46.4202, 30.5173,  
7.0585

■ 63.3877, 55.8183,  
39.3321

■ 44.2966, 27.0088,  
4.0737

■ 70.0578, 65.3032,  
53.4405

■ 42.8568, 24.4589,  
2.5772

■ 77.8036, 76.1709,  
70.2771

■ 42.6777, 24.1357,  
2.4093

■ 86.6708, 88.4744,  
89.9760

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.



58.2877, 40.7658, 34.7330



53.0741, 40.7658, 18.7070



44.3071, 40.7658, 11.9136

# Triad

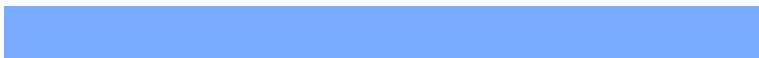
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.0741, 40.7658, 18.7070



24.4753, 40.7658, 30.8417



42.5124, 40.7658, 112.7745

# Complementary

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



53.0741, 40.7658, 18.7070



50.1135, 62.5233, 104.0341

# 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.



33.6721, 40.7658, 110.4137



53.0741, 40.7658, 18.7070



24.1486, 40.7658, 55.6822

# Square

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



53.0741, 40.7658, 18.7070



28.2369, 40.7658, 16.8138



27.2619, 40.7658, 86.7456



51.5859, 40.7658, 92.3134



# Rectangle

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



53.0741, 40.7658, 18.7070



38.0991, 40.7658, 10.9605



27.2619, 40.7658, 86.7456



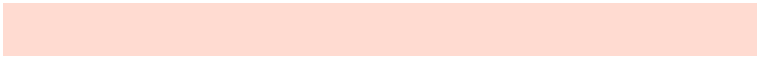
39.4016, 40.7658, 114.7930

# Sweetspot

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



53.0751, 40.7679, 18.7077



78.1624, 76.6713, 71.0660



59.6750, 36.8807, 73.5853



16.2202, 15.6989, 14.0928



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.



53.0751, 40.7679, 18.7077



48.8121, 34.2891, 10.9747



67.5811, 69.7801, 23.5431



18.3356, 18.6394, 18.7757



22.3898, 12.7908, 1.2888



2.2568, 1.3990, 0.1511



# Inverse Universe

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



50.1135, 62.5233, 104.0341



45.4878, 57.6119, 103.3305



34.6180, 31.5324, 98.8690



18.1935, 19.7585, 23.1048



20.1607, 25.2309, 53.2421



2.0431, 2.6169, 5.2107



# Previews

## White Background



This preview shows how the XYZ color 53.0741, 40.7658, 18.7070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

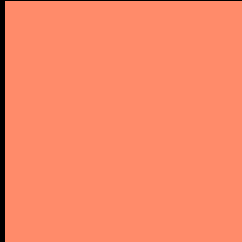
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0741, 40.7658, 18.7070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

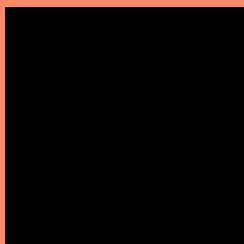
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.0741, 40.7658, 18.7070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.0741, 40.7658, 18.7070.



This preview shows how white text looks on a background with the XYZ color 53.0741, 40.7658,



# 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

53.0741, 40.7658, 18.7070

### Protanopia

37.9003, 40.7720, 23.3250

### Deuteranopia

41.6368, 40.9004, 18.0120



## Tritanopia

55.1550, 40.9127, 31.7780

# Trichromacy



## Original Color

53.0741, 40.7658, 18.7070

## Protanomaly

42.0137, 39.7128, 21.3706

## Deuteranomaly

45.2209, 40.4295, 18.2522

## Tritanomaly

54.2824, 40.7900, 26.4850

# Monochromacy



## Original Color

53.0741, 40.7658, 18.7070

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

41.7520, 39.3204, 32.9928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0741, 40.7658, 18.7070 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, 139, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 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, 139, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0741, 40.7658, 18.7070 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, 139, 106) }
```



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

```
.border{ border-color:rgb(255, 139, 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, 139, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0741, 40.7658, 18.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 106) }
```

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

```
.background{ background-color: rgb(255,  
139, 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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