

# Converting Colors

XYZ(61.7858, 45.1051, 16.8857)

Have a look what the booklet for  
XYZ(61.7858, 45.1051, 16.8857)  
contains.

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# Color

**XYZ(52.5331, 40.3188,  
16.5688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8A62
RGB	255, 138, 98
RGB Percent	100%, 54%, 38%
CMY	0.0000, 0.4588, 0.6157
CMYK	0.00, 0.46, 0.62, 0.00
HSL	15°, 100%, 69%
HSV	15°, 62%, 100%
XYZ	52.5331, 40.3188, 16.5688
YIQ	168.4230, 82.5720, 12.3640

# Conversions

## Conversions Part 2

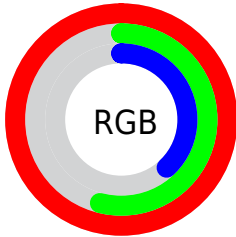
Format	Color
R <sub>Y</sub> B	255, 152, 98
Decimal	16747106
CIE Lab	69.70, 40.95, 40.98
CIE LCh	70, 57.932, 45.016
Yxy	40.3188, 0.4801, 0.3685
Android (android.graphics.Color)	4294937186 (0xFFFF8A62)
YUV	168.4230, -34.7185, 75.9280
Hunter-Lab	63.4971, 36.5587, 28.9769

# Details

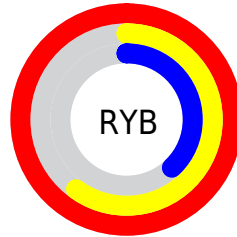
The XYZ color **52.5331, 40.3188, 16.5688** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.3858, 58.4142, 103.3848**, and the grayscale version is **37.5656, 39.5220, 43.0394**.

A 20% lighter version of the original color is **65.8150, 61.6019, 37.2757**, and **25.8958, 18.2233, 5.1702** is the 20% darker color. If you saturate the color by 10%, you get **49.0234, 34.9293, 10.3753**, and if you desaturate by 10%, it is **56.9050, 46.8198, 24.9418**.

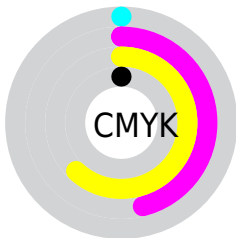
# Distribution



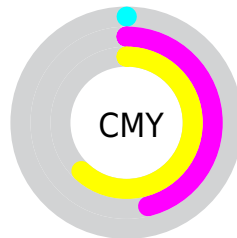
- Red (100%)
- Green (54%)
- Blue (38%)



- Red (100%)
- Yellow (60%)
- Blue (38%)



- Cyan (0%)
- Magenta (46%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (46%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5331, 40.3188, 16.5688 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 52.5331, 40.3188, 16.5688 by changing the saturation by 10% instead.





 52.5331, 40.3188,  
16.5688


 52.5331, 40.3188,  
16.5688


386.7815,  
347.4654, 244.6343


 37.6562, 27.7872,  
9.7688


 93.0866, 75.6487,  
38.3633

 25.8919, 18.1653,  
5.1424


 119.4938, 99.2158,  
54.1950

 16.8751, 11.0687,  
2.2708


 150.4751,  
127.2302, 73.8743

 10.2402, 6.1131,  
0.7148

 186.3960,  
160.0763, 97.8198

 5.6220, 2.9140,  
0.0000

227.6217,  
198.1385, 126.4500

 2.6551, 1.0870,  
0.0000

274.5176,

 0.9741, 0.0000,

241.8011, 160.1834

0.0000

327.4491,  
291.4487, 199.4387

■ 0.0000, 0.0000,  
0.0000

■ 52.5331, 40.3188,  
16.5688

■ 52.5331, 40.3188,  
16.5688

■ 49.0234, 34.9293,  
10.3753

■ 56.9050, 46.8198,  
24.9418

■ 46.3104, 30.5802,  
6.1512

■ 62.1924, 54.4852,  
35.6732

■ 44.3224, 27.2010,  
3.6484

■ 68.4470, 63.3719,  
48.9256

■ 43.1289, 25.0381,  
2.5597

■ 75.7159, 73.5313,  
64.8467

■ 84.0429, 85.0115,  
83.5725

93.4693, 97.8584,  
105.2300

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.



58.5080, 40.3188, 31.8342



52.5331, 40.3188, 16.5688



43.1751, 40.3188, 10.5257

# Triad

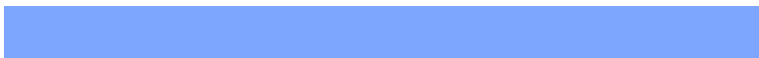
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.5331, 40.3188, 16.5688



23.4097, 40.3188, 31.8572



43.1859, 40.3188, 115.0474

# Complementary

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



52.5331, 40.3188, 16.5688



47.3858, 58.4142, 103.3848

# 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.



33.8466, 40.3188, 115.0619



52.5331, 40.3188, 16.5688



23.4117, 40.3188, 58.6848

# Square

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



52.5331, 40.3188, 16.5688



26.9310, 40.3188, 16.5797



26.9367, 40.3188, 91.4903



52.5421, 40.3188, 91.4562



# Rectangle

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



52.5331, 40.3188, 16.5688



36.7667, 40.3188, 9.9358



26.9367, 40.3188, 91.4903



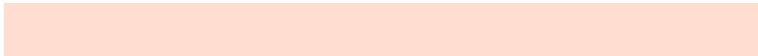
39.9202, 40.3188, 118.0490

# Sweetspot

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



52.5341, 40.3209, 16.5695



78.5637, 77.4738, 71.1997



57.9700, 34.9405, 68.4852



16.3166, 15.8917, 14.1249



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.



52.5341, 40.3209, 16.5695



48.2930, 33.7784, 9.1753



67.9363, 71.1255, 21.7036



18.3855, 18.7392, 18.7923



22.6360, 13.2833, 1.3709



2.2871, 1.4595, 0.1612



# Inverse Universe

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



47.3858, 58.4142, 103.3848



42.6094, 52.9734, 102.5869



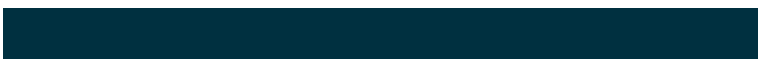
32.0685, 27.7795, 98.2791



18.1400, 19.6516, 23.0870



19.1814, 23.2724, 52.9156



1.9551, 2.4410, 5.1814



# Previews

## White Background



This preview shows how the XYZ color 52.5331, 40.3188, 16.5688 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

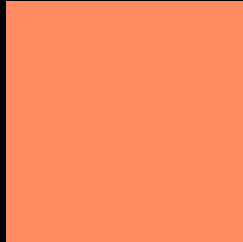
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5331, 40.3188, 16.5688 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 52.5331, 40.3188, 16.5688**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.5331, 40.3188, 16.5688.



This preview shows how white text looks on a background with the XYZ color 52.5331, 40.3188,



# 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

52.5331, 40.3188, 16.5688

### Protanopia

37.6271, 40.6907, 20.6228

### Deuteranopia

41.3675, 40.5400, 16.0006



## Tritanopia

54.7230, 40.2934, 30.8798

# Trichromacy



## Original Color

52.5331, 40.3188, 16.5688

## Protanomaly

41.8636, 39.6858, 19.0893

## Deuteranomaly

44.9852, 40.1062, 16.1968

## Tritanomaly

53.7347, 40.1203, 24.9905

# Monochromacy



## Original Color

52.5331, 40.3188, 16.5688

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

40.8343, 38.3765, 31.2418

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5331, 40.3188, 16.5688 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, 138, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 98)  
}
```

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, 138, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5331, 40.3188, 16.5688 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, 138, 98) }
```



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

```
.border{ border-color:rgb(255, 138, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5331, 40.3188, 16.5688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 98) }
```

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

```
.background{ background-color: rgb(255,  
138, 98) }
```

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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