

# Converting Colors

XYZ(52.6615, 40.2661, 17.5676)

Have a look what the booklet for  
XYZ(52.6615, 40.2661, 17.5676)  
contains.

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# Color

**XYZ(52.7268, 40.3963,  
17.5886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8A66
RGB	255, 138, 102
RGB Percent	100%, 54%, 40%
CMY	0.0000, 0.4588, 0.6000
CMYK	0.00, 0.46, 0.60, 0.00
HSL	14°, 100%, 70%
HSV	14°, 60%, 100%
XYZ	52.7268, 40.3963, 17.5886
YIQ	168.8790, 81.2880, 13.6080

# Conversions

## Conversions Part 2

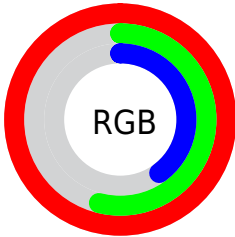
Format	Color
R <sub>Y</sub> B	255, 149, 102
Decimal	16747110
CIE Lab	69.75, 41.22, 38.92
CIE LCh	70, 56.693, 43.359
Yxy	40.3963, 0.4763, 0.3649
Android (android.graphics.Color)	4294937190 (0xFFFF8A66)
YUV	168.8790, -32.9713, 75.5281
Hunter-Lab	63.5581, 36.8542, 28.0832

# Details

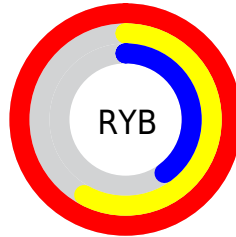
The XYZ color **52.7268, 40.3963, 17.5886** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.8593, 60.7043, 103.7493**, and the grayscale version is **37.7831, 39.7508, 43.2886**.

A 20% lighter version of the original color is **66.1427, 61.7330, 39.0014**, and **25.9067, 18.1008, 5.6184** is the 20% darker color. If you saturate the color by 10%, you get **49.1004, 34.8658, 11.0711**, and if you desaturate by 10%, it is **57.2462, 47.0910, 26.3227**.

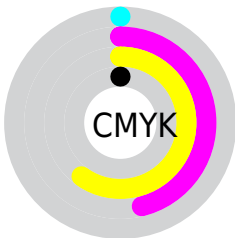
# Distribution



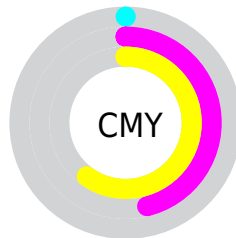
- Red (100%)
- Green (54%)
- Blue (40%)



- Red (100%)
- Yellow (58%)
- Blue (40%)



- Cyan (0%)
- Magenta (46%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (46%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7268, 40.3963, 17.5886 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 52.7268, 40.3963, 17.5886 by changing the saturation by 10% instead.





 52.7268, 40.3963,  
17.5886

 52.7268, 40.3963,  
17.5886


387.5141,  
347.7911, 250.6996

 37.8113, 27.8477,  
10.4887

 93.3701, 75.7666,  
40.1395

 26.0128, 18.2109,  
5.6143


 119.8287, 99.3571,  
56.4275

 16.9660, 11.1015,  
2.5470


 150.8657,  
127.3969, 76.6153

 10.3054, 6.1351,  
0.8649

 186.8464,  
160.2706, 101.1214

 5.6657, 2.9274,  
0.0000

228.1363,  
198.3625, 130.3643

 2.6816, 1.0940,  
0.0000

275.1006,

 0.9877, 0.0000,

242.0569, 164.7626

0.0000

328.1048,  
291.7383, 204.7349

■ 0.0000, 0.0000,  
0.0000

■ 52.7268, 40.3963,  
17.5886

■ 52.7268, 40.3963,  
17.5886

■ 49.1004, 34.8658,  
11.0711

■ 57.2462, 47.0910,  
26.3227

■ 46.3002, 30.4245,  
6.5644

■ 62.7129, 55.0063,  
37.4495

■ 44.2538, 26.9983,  
3.8271

■ 69.1800, 64.2021,  
51.1299

■ 42.8564, 24.4929,  
2.4689

■ 76.6957, 74.7329,  
67.5100

■ 42.8563, 24.4928,  
2.4688

■ 85.3050, 86.6495,  
86.7251

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.



58.2778, 40.3963, 33.2992



52.7268, 40.3963, 17.5886



43.6806, 40.3963, 11.1352

# Triad

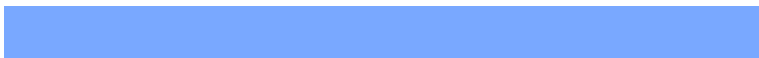
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.7268, 40.3963, 17.5886



23.8337, 40.3963, 31.0274



42.6239, 40.3963, 113.8649

# Complementary

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



52.7268, 40.3963, 17.5886



48.8593, 60.7043, 103.7493

# 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.



33.5549, 40.3963, 112.4565



52.7268, 40.3963, 17.5886



23.6436, 40.3963, 56.7418

# Square

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



52.7268, 40.3963, 17.5886



27.4981, 40.3963, 16.4995



26.9292, 40.3963, 88.6722



51.8476, 40.3963, 91.9832



# Rectangle

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



52.7268, 40.3963, 17.5886



37.3696, 40.3963, 10.3415



26.9292, 40.3963, 88.6722



39.4399, 40.3963, 116.2994

# Sweetspot

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



52.7278, 40.3984, 17.5893



78.3285, 77.0034, 71.1213



58.8171, 35.8932, 71.0531



16.2601, 15.7786, 14.1061



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.



52.7278, 40.3984, 17.5893



48.4764, 33.8924, 10.0157



67.7354, 70.4137, 22.5919



18.3563, 18.6808, 18.7826



22.4875, 12.9862, 1.3214



2.2690, 1.4234, 0.1551



# Inverse Universe

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



48.8593, 60.7043, 103.7493



44.1694, 55.5577, 103.0035



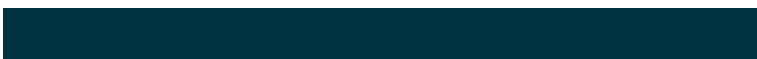
33.3222, 29.6300, 98.5703



18.1712, 19.7141, 23.0974



19.7477, 24.4049, 53.1044



2.0061, 2.5429, 5.1984



# Previews

## White Background



This preview shows how the XYZ color 52.7268, 40.3963, 17.5886 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

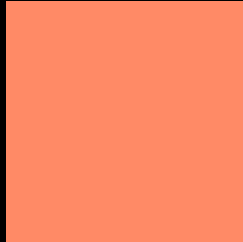
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7268, 40.3963, 17.5886 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

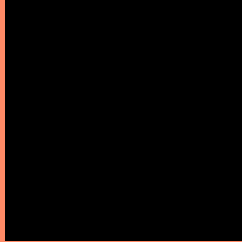
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.7268, 40.3963, 17.5886**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.7268, 40.3963, 17.5886.



This preview shows how white text looks on a background with the XYZ color 52.7268, 40.3963,

17.5886.

# 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

52.7268, 40.3963, 17.5886

### Protanopia

37.6650, 40.6779, 22.0861

### Deuteranopia

41.2673, 40.4673, 16.9452



## Tritanopia

54.7230, 40.2934, 30.8798

# Trichromacy



## Original Color

52.7268, 40.3963, 17.5886



## Protanomaly

41.7910, 39.6237, 20.1974



## Deuteranomaly

44.8591, 40.0196, 17.1646



## Tritanomaly

53.8003, 40.1465, 25.3355

# Monochromacy



## Original Color

52.7268, 40.3963, 17.5886



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

41.1571, 38.7774, 32.1036

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7268, 40.3963, 17.5886 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7268, 40.3963, 17.5886 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, 102) }
```



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

```
.border{ border-color:rgb(255, 138, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7268, 40.3963, 17.5886 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
138, 102) }
```

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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