

# Converting Colors

XYZ(47.5918, 32.8148, 7.5898)

Have a look what the booklet for  
XYZ(47.5918, 32.8148, 7.5898)  
contains.

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# Color

**XYZ(47.6382, 32.9144,  
7.5837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6F38
RGB	255, 111, 56
RGB Percent	100%, 44%, 22%
CMY	0.0000, 0.5647, 0.7804
CMYK	0.00, 0.56, 0.78, 0.00
HSL	17°, 100%, 61%
HSV	17°, 78%, 100%
XYZ	47.6382, 32.9144, 7.5837
YIQ	147.7860, 103.4790, 13.4230

# Conversions

## Conversions Part 2

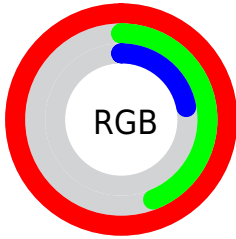
Format	Color
R <sub>Y</sub> B	255, 132, 56
Decimal	16740152
CIE Lab	64.09, 51.95, 55.80
CIE LCh	64, 76.238, 47.048
Yxy	32.9144, 0.5405, 0.3734
Android (android.graphics.Color)	4294930232 (0xFFFF6F38)
YUV	147.7860, -45.2505, 94.0267
Hunter-Lab	57.3711, 47.8185, 32.3224

# Details

The XYZ color **47.6382, 32.9144, 7.5837** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **40.3332, 49.3654, 102.0096**, and the grayscale version is **28.2128, 29.6820, 32.3237**.

A 20% lighter version of the original color is **57.5301, 49.5940, 20.4503**, and **22.9000, 13.9047, 1.4769** is the 20% darker color. If you saturate the color by 10%, you get **45.3561, 29.1075, 4.4900**, and if you desaturate by 10%, it is **50.6548, 37.6835, 12.4875**.

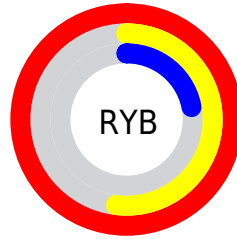
# Distribution



Red (100%)

Green (44%)

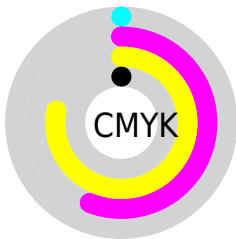
Blue (22%)



Red (100%)

Yellow (52%)

Blue (22%)

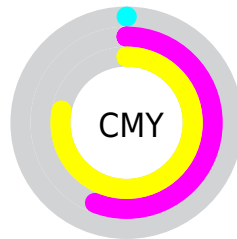


Cyan (0%)

Magenta (56%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6382, 32.9144, 7.5837 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 47.6382, 32.9144, 7.5837 by changing the saturation by 10% instead.





 47.6382, 32.9144,  
7.5837


 47.6382, 32.9144,  
7.5837


367.9627,  
315.2638, 182.2402

 33.7505, 22.0609,  
3.7458


 85.8784, 64.2419,  
21.6707

 22.8640, 13.9016,  
1.4870

 110.9617, 85.4846,  
32.7569


 14.6132, 8.0523,  
0.2082


 140.5075,  
110.9592, 47.0964

 8.6330, 4.1284,  
0.0000

 174.8813,  
141.0500, 65.1075

 4.5577, 1.7457,  
0.0000

 214.4483,  
176.1415, 87.2089

 2.0222, 0.4530,  
0.0000

 259.5740,

 0.6464, 0.0000,

216.6181, 113.8192

0.0000

310.6237,  
262.8640, 145.3568

■ 0.0000, 0.0000,  
0.0000

■ 47.6382, 32.9144,  
7.5837

■ 47.6382, 32.9144,  
7.5837

■ 45.3561, 29.1075,  
4.4900

■ 50.6548, 37.6835,  
12.4875

■ 43.7230, 26.1826,  
2.8929

■ 54.4696, 43.4734,  
19.4307

■ 43.4604, 25.7014,  
2.6702

■ 59.1411, 50.3440,  
28.6105

■ 64.7214, 58.3486,  
40.1996

■ 71.2577, 67.5368,  
54.3541

78.7943, 77.9552,  
71.2164

87.3724, 89.6479,  
90.9187

95.0496, 99.9998,  
108.9000

# Harmonies

## Analogous

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



55.5777, 32.9144, 21.1005



47.6382, 32.9144, 7.5837



36.1632, 32.9144, 3.5329

# Triad

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



47.6382, 32.9144, 7.5837



15.1206, 32.9144, 24.1126



37.7625, 32.9144, 127.8127

# Complementary

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



47.6382, 32.9144, 7.5837



40.3332, 49.3654, 102.0096

# 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.



26.8650, 32.9144, 130.3934



47.6382, 32.9144, 7.5837



15.3580, 32.9144, 56.2095

# Square

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



47.6382, 32.9144, 7.5837



18.4340, 32.9144, 8.6998



19.1802, 32.9144, 99.2051



49.0384, 32.9144, 93.4066



# Rectangle

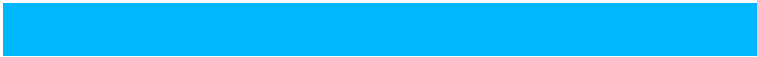
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.6382, 32.9144, 7.5837



28.8092, 32.9144, 3.3112



19.1802, 32.9144, 99.2051



33.8969, 32.9144, 132.9207

# Sweetspot

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



47.6389, 32.9162, 7.5842



74.9280, 72.6300, 62.5035



53.3066, 28.3494, 58.4980



15.4689, 14.7574, 12.1126



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.



47.6389, 32.9162, 7.5842



44.3125, 27.2636, 3.3901



64.6477, 66.9338, 13.2538



18.4180, 18.8042, 18.8032



22.8158, 13.6428, 1.4308

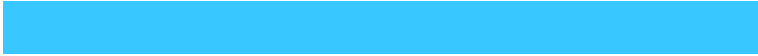


2.3084, 1.5021, 0.1683

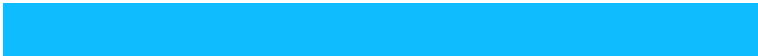


# Inverse Universe

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



40.3332, 49.3654, 102.0096



36.3940, 43.6081, 101.1068



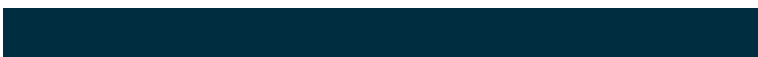
24.4750, 17.6491, 96.7235



18.1054, 19.5825, 23.0755



18.5752, 22.0600, 52.7136



1.9003, 2.3313, 5.1631



# Previews

## White Background



This preview shows how the XYZ color 47.6382, 32.9144, 7.5837 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 47.6382, 32.9144, 7.5837 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 47.6382, 32.9144, 7.5837**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6382, 32.9144, 7.5837.



This preview shows how white text looks on a background with the XYZ color 47.6382, 32.9144,



# 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

47.6382, 32.9144, 7.5837

### Protanopia

30.1962, 33.0908, 10.4259

### Deuteranopia

33.5692, 32.9714, 7.0774



## Tritanopia

49.4783, 32.9676, 19.3784

# Trichromacy



## Original Color

47.6382, 32.9144, 7.5837

## Protanomaly

34.9321, 31.8228, 9.1518

## Deuteranomaly

37.8336, 32.3014, 7.1465

## Tritanomaly

48.5343, 32.7578, 13.8901

# Monochromacy



## Original Color

47.6382, 32.9144, 7.5837

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

32.2520, 29.1305, 20.1425

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6382, 32.9144, 7.5837 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, 111, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 56)  
}
```

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, 111, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6382, 32.9144, 7.5837 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, 111, 56) }
```



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

```
.border{ border-color:rgb(255, 111, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6382, 32.9144, 7.5837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 56) }
```

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

```
.background{ background-color: rgb(255,  
111, 56) }
```

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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