

Converting Colors

XYZ(45.9261, 32.8016, 10.3113)

Have a look what the booklet for
XYZ(45.9261, 32.8016, 10.3113)
contains.

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Color

**XYZ(45.8392, 32.7594,
10.3858)**

Conversions

Conversions Part 1

Format	Color
Hex	F7744A
RGB	247, 116, 74
RGB Percent	97%, 45%, 29%
CMY	0.0314, 0.5451, 0.7098
CMYK	0.00, 0.53, 0.70, 0.03
HSL	15°, 92%, 63%
HSV	15°, 70%, 97%
XYZ	45.8392, 32.7594, 10.3858
YIQ	150.3810, 91.5580, 14.7100

Conversions

Conversions Part 2

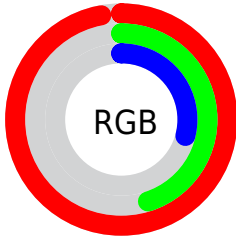
Format	Color
RYB	247, 129, 74
Decimal	16217162
CIELab	63.97, 47.43, 46.49
CIElCh	64, 66.412, 44.429
Yxy	32.7594, 0.5151, 0.3681
Android (android.graphics.Color)	4294407242 (0xFFFF7744A)
YUV	150.3810, -37.6558, 84.7349
Hunter-Lab	57.2358, 42.7949, 29.3065

Details

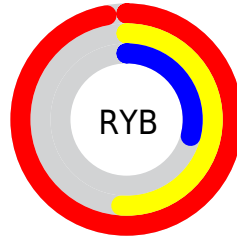
The XYZ color **45.8392, 32.7594, 10.3858** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.4420, 51.8302, 95.8150**, and the grayscale version is **29.2804, 30.8053, 33.5470**.

A 20% lighter version of the original color is **59.4410, 51.8411, 25.9422**, and **21.7311, 13.8199, 2.4994** is the 20% darker color. If you saturate the color by 10%, you get **43.2213, 28.6044, 6.1824**, and if you desaturate by 10%, it is **49.2191, 37.9165, 16.4542**.

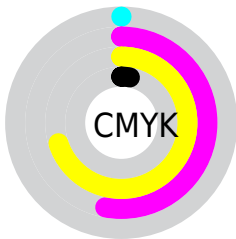
Distribution



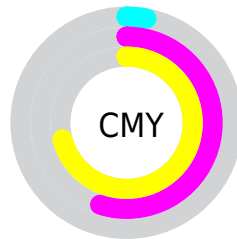
- Red (97%)
- Green (45%)
- Blue (29%)



- Red (97%)
- Yellow (51%)
- Blue (29%)



- Cyan (0%)
- Magenta (53%)
- Yellow (70%)
- Black (3%)





- Cyan (3%)
- Magenta (55%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8392, 32.7594, 10.3858 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 45.8392, 32.7594, 10.3858 by changing the saturation by 10% instead.


 45.8392, 32.7594,
10.3858


 45.8392, 32.7594,
10.3858


360.8886,
314.5642, 203.9877


 32.3230, 21.9422,
5.5466


 83.2076, 63.9997,
27.1377

 21.7651, 13.8144,
2.5071


 107.7906, 85.1916,
39.8875


 13.8000, 7.9917,
0.8439


 136.7932,
110.6105, 56.1112

 8.0625, 4.0896,
0.0000

 170.5809,
140.6408, 76.2274

 4.1871, 1.7238,
0.0000

 209.5189,
175.6670, 100.6546

 1.8085, 0.4390,
0.0000

253.9726,

 0.5228, 0.0000,

216.0733, 129.8114

0.0000

304.3074,
262.2443, 164.1162

■ 0.0000, 0.0000,
0.0000

■ 45.8392, 32.7594,
10.3858

■ 45.8392, 32.7594,
10.3858

■ 43.2213, 28.6044,
6.1824

■ 49.2191, 37.9165,
16.4542

■ 41.2962, 25.3775,
3.6191


■ 53.4168, 44.1321,
24.5739

■ 39.9721, 23.0032,
2.3333


■ 58.4853, 51.4644,
34.9102

■ 64.4722, 59.9657,
47.6109

■ 71.4214, 69.6849,
62.8111

 79.3740, 80.6681,
80.6357

 88.3685, 92.9589,
101.2010

 92.1675, 98.5140,
108.7651

Harmonies

Analogous

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



52.0222, 32.7594, 24.3051



45.8392, 32.7594, 10.3858



36.2222, 32.7594, 5.4922

Triad

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



45.8392, 32.7594, 10.3858



16.8181, 32.7594, 23.5451



35.8405, 32.7594, 112.4978

Complementary

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



45.8392, 32.7594, 10.3858



41.4420, 51.8302, 95.8150

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.



26.5512, 32.7594, 111.9273



45.8392, 32.7594, 10.3858



16.7566, 32.7594, 50.1173

Square

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



45.8392, 32.7594, 10.3858



20.1605, 32.7594, 10.0701



19.9714, 32.7594, 85.2878



45.5119, 32.7594, 86.5926

Rectangle

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



45.8392, 32.7594, 10.3858



29.7674, 32.7594, 5.0079



19.9714, 32.7594, 85.2878



32.5476, 32.7594, 115.6934

Sweetspot

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



45.8400, 32.7612, 10.3864



75.9970, 73.8210, 65.7797



52.0240, 29.1589, 61.6828



15.8078, 15.1614, 13.0693



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.



45.8400, 32.7612, 10.3864



45.5346, 29.2144, 5.3186



60.4491, 61.9795, 15.2561



16.8259, 17.1359, 17.2183



21.2322, 12.3500, 1.2647



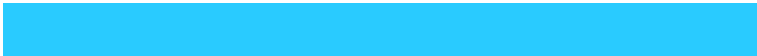
1.9433, 1.2398, 0.1369

Inverse Universe

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



41.4420, 51.8302, 95.8150



40.3097, 50.3937, 102.2102



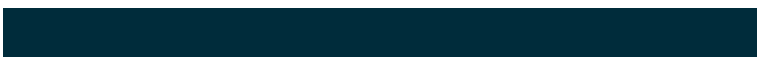
26.3452, 21.6365, 90.7828



16.6359, 18.0361, 21.1471



18.3963, 22.5864, 49.9280



1.6964, 2.1441, 4.4147

Previews

White Background



This preview shows how the XYZ color 45.8392, 32.7594, 10.3858 looks on a white background.

Color Contrast Check

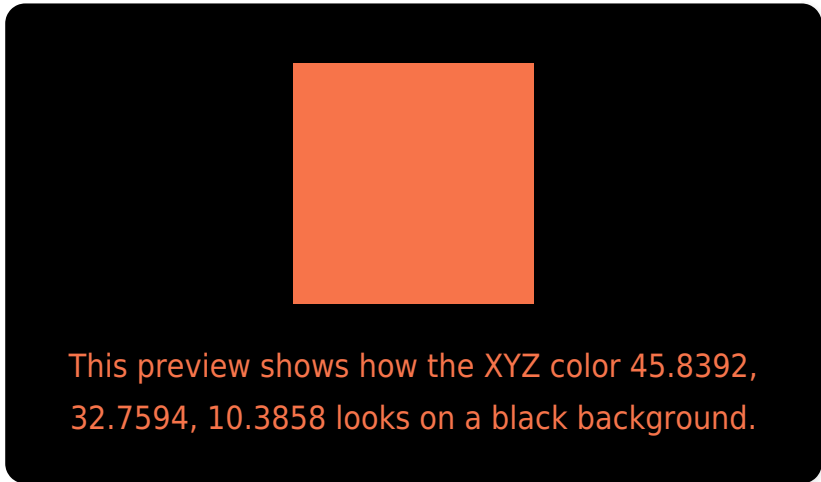
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 45.8392, 32.7594, 10.3858

Background



This preview shows how black text looks on a background with the XYZ color 45.8392, 32.7594, 10.3858.



This preview shows how white text looks on a background with the XYZ color 45.8392, 32.7594,

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

45.8392, 32.7594, 10.3858

Protanopia

30.4034, 33.1230, 13.8078

Deuteranopia

33.5953, 32.9225, 9.8942



Tritanopia

48.0214, 32.8166, 20.9428

Trichromacy



Original Color

45.8392, 32.7594, 10.3858

Protanomaly

34.6011, 31.8011, 12.2972

Deuteranomaly

37.3502, 32.1966, 10.0404

Tritanomaly

47.0148, 32.7260, 16.4092

Monochromacy



Original Color

45.8392, 32.7594, 10.3858

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.6089, 29.8964, 22.4643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8392, 32.7594, 10.3858 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(247, 116, 74)` looks like.

```
.text, #text, p{  
    color:rgb(247, 116, 74)  
}
```

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(247, 116, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 116, 74) }
```

Border

The CSS property to change the border of an element to XYZ 45.8392, 32.7594, 10.3858 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(247, 116, 74) }
```


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

```
.border{ border-color:rgb(247, 116, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 116, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 116, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 116, 74);  
box-shadow:4px 4px 4px 4px rgb(247, 116,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8392, 32.7594, 10.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 116, 74) }
```

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

```
.background{ background-color: rgb(247,  
116, 74) }
```

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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