

Converting Colors

XYZ(50.6381, 33.7729, 9.0891)

Have a look what the booklet for
XYZ(50.6381, 33.7729, 9.0891)
contains.

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Color

**XYZ(47.5108, 32.1806,
9.0176)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6B43
RGB	255, 107, 67
RGB Percent	100%, 42%, 26%
CMY	0.0000, 0.5804, 0.7372
CMYK	0.00, 0.58, 0.74, 0.00
HSL	13°, 100%, 63%
HSV	13°, 74%, 100%
XYZ	47.5108, 32.1806, 9.0176
YIQ	146.6920, 101.0480, 18.9360

Conversions

Conversions Part 2

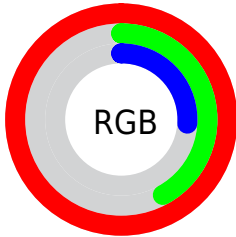
Format	Color
R_{YB}	255, 118, 67
Decimal	16739139
CIE _{Lab}	63.49, 54.18, 49.88
CIE _{LCh}	63, 73.640, 42.633
Yxy	32.1806, 0.5356, 0.3628
Android (android.graphics.Color)	4294929219 (0xFFFF6B43)
YUV	146.6920, -39.2882, 94.9861
Hunter-Lab	56.7279, 50.2234, 30.2847

Details

The XYZ color **47.5108, 32.1806, 9.0176** 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 **44.6630, 57.0099, 103.2571**, and the grayscale version is **27.7350, 29.1794, 31.7763**.

A 20% lighter version of the original color is **57.3712, 48.3850, 23.1451**, and **22.7789, 13.4877, 1.9751** is the 20% darker color. If you saturate the color by 10%, you get **45.0518, 28.2295, 5.2184**, and if you desaturate by 10%, it is **50.7935, 37.2414, 14.7517**.

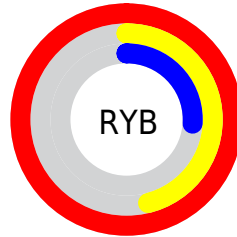
Distribution



Red (100%)

Green (42%)

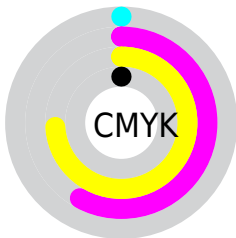
Blue (26%)



Red (100%)

Yellow (46%)

Blue (26%)

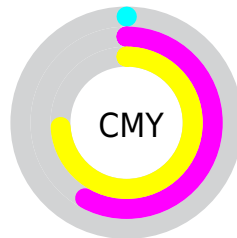


Cyan (0%)

Magenta (58%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5108, 32.1806, 9.0176 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 47.5108, 32.1806, 9.0176 by changing the saturation by 10% instead.


 47.5108, 32.1806,
9.0176


 47.5108, 32.1806,
9.0176


367.4647,
311.9411, 193.7320

 33.6493, 21.4995,
4.6557


 85.6897, 63.0941,
24.5088

 22.7859, 13.4896,
1.9915


 110.7378, 84.0953,
36.4751


 14.5553, 7.7665,
0.5501


 140.2454,
109.3053, 51.8134

 8.5922, 3.9459,
0.0000

 174.5780,
139.1085, 70.9421

 4.5311, 1.6434,
0.0000

 214.1009,
173.8892, 94.2798

 2.0068, 0.3866,
0.0000

259.1794,

 0.6378, 0.0000,

214.0320, 122.2449

0.0000

310.1789,
259.9212, 155.2562

■ 0.0000, 0.0000,
0.0000

■ 47.5108, 32.1806,
9.0176

■ 47.5108, 32.1806,
9.0176

■ 45.0518, 28.2295,
5.2184

■ 50.7935, 37.2414,
14.7517

■ 43.3322, 25.2952,
3.0889

■ 54.9678, 43.4838,
22.6361

■ 42.5713, 23.9230,
2.3738

■ 60.0964, 50.9797,
32.8588

■ 66.2358, 59.7936,
45.5870

■ 73.4377, 69.9854,
60.9725

81.7502, 81.6113,
79.1548

91.2185, 94.7245,
100.2637

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



54.1485, 32.1806, 24.0812



47.5108, 32.1806, 9.0176



36.8589, 32.1806, 4.0518

Triad

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



47.5108, 32.1806, 9.0176



15.3613, 32.1806, 20.7398



35.1059, 32.1806, 124.0977

Complementary

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



47.5108, 32.1806, 9.0176



44.6630, 57.0099, 103.2571

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.



25.0697, 32.1806, 121.3136



47.5108, 32.1806, 9.0176



15.0965, 32.1806, 48.9005

Square

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



47.5108, 32.1806, 9.0176



19.0794, 32.1806, 7.7478



18.2509, 32.1806, 88.9038



45.9827, 32.1806, 95.1821

Rectangle

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



47.5108, 32.1806, 9.0176



29.6895, 32.1806, 3.4836



18.2509, 32.1806, 88.9038



31.5017, 32.1806, 127.1611

Sweetspot

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



47.5115, 32.1824, 9.0181



74.7914, 71.8872, 63.9057



55.8234, 30.3049, 68.8258



15.5562, 14.7511, 12.6995



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.



47.5115, 32.1824, 9.0181



44.2317, 26.8561, 4.1213



62.5844, 62.3281, 14.0424



18.3226, 18.6134, 18.7714



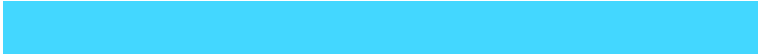
22.3314, 12.6740, 1.2693



2.2494, 1.3842, 0.1486

Inverse Universe

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



44.6630, 57.0099, 103.2571



40.9755, 52.2499, 102.5334



27.4975, 22.6789, 97.5353



18.2075, 19.7866, 23.1095



20.4259, 25.7614, 53.3305



2.0668, 2.6642, 5.2186

Previews

White Background



This preview shows how the XYZ color 47.5108, 32.1806, 9.0176 looks on a white background.

Color Contrast Check

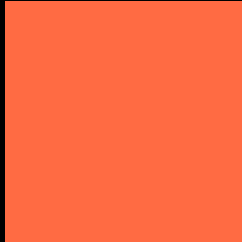
Large Text (above 18pt) WCAG AA × Fail

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 47.5108, 32.1806, 9.0176 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 47.5108, 32.1806, 9.0176

Background



This preview shows how black text looks on a background with the XYZ color 47.5108, 32.1806, 9.0176.



This preview shows how white text looks on a background with the XYZ color 47.5108, 32.1806,

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

47.5108, 32.1806, 9.0176

Protanopia

29.6562, 32.2664, 12.6476

Deuteranopia

32.7808, 32.0697, 8.4653



Tritanopia

49.0048, 32.2864, 18.4009

Trichromacy



Original Color

47.5108, 32.1806, 9.0176

Protanomaly

34.3726, 30.8446, 11.1632

Deuteranomaly

37.1179, 31.2865, 8.4975

Tritanomaly

48.3120, 32.1713, 14.2530

Monochromacy



Original Color

47.5108, 32.1806, 9.0176

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.7710, 28.2496, 20.9178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5108, 32.1806, 9.0176 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, 107, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 67)  
}
```

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, 107, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 67) }
```

Border

The CSS property to change the border of an element to XYZ 47.5108, 32.1806, 9.0176 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, 107, 67) }
```


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

```
.border{ border-color:rgb(255, 107, 67) }
```

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

Here you see how a box with a 4 pixel rgb(255, 107, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5108, 32.1806, 9.0176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 67) }
```

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

```
.background{ background-color: rgb(255,  
107, 67) }
```

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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