

Converting Colors

XYZ(59.4606, 49.8818, 11.9176)

Have a look what the booklet for
XYZ(59.4606, 49.8818, 11.9176)
contains.

XYZ(55.3806, 47.8717, 11.7901)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.3806, 47.8717,
11.7901)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA344
RGB	255, 163, 68
RGB Percent	100%, 64%, 27%
CMY	0.0000, 0.3608, 0.7333
CMYK	0.00, 0.36, 0.73, 0.00
HSL	30°, 100%, 63%
HSV	30°, 73%, 100%
XYZ	55.3806, 47.8717, 11.7901
YIQ	179.6780, 85.3270, -10.0410

Conversions

Conversions Part 2

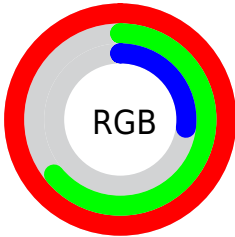
Format	Color
R_{YB}	249, 255, 68
Decimal	16753476
CIE _{Lab}	74.74, 26.48, 61.13
CIE _{LCh}	75, 66.616, 66.580
Yxy	47.8717, 0.4814, 0.4161
Android (android.graphics.Color)	4294943556 (0xFFFFA344)
YUV	179.6780, -55.0573, 66.0574
Hunter-Lab	69.1894, 21.7937, 38.3294

Details

The XYZ color **55.3806, 47.8717, 11.7901** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.0039, 33.5889, 99.3510**, and the grayscale version is **43.4647, 45.7282, 49.7981**.

A 20% lighter version of the original color is **69.7626, 72.7833, 28.4609**, and **27.7042, 22.7173, 3.0683** is the 20% darker color. If you saturate the color by 10%, you get **52.6470, 43.3913, 7.8385**, and if you desaturate by 10%, it is **58.6755, 52.9343, 17.5979**.

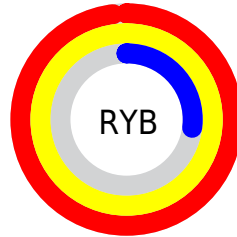
Distribution



Red (100%)

Green (64%)

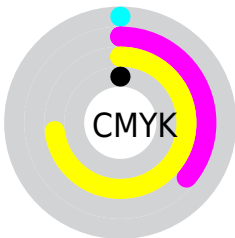
Blue (27%)



Red (98%)

Yellow (100%)

Blue (27%)

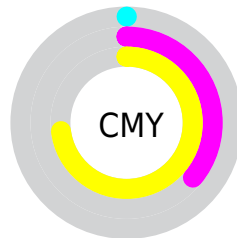


Cyan (0%)

Magenta (36%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3806, 47.8717, 11.7901 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 55.3806, 47.8717, 11.7901 by changing the saturation by 10% instead.

55.3806, 47.8717,
11.7901

55.3806, 47.8717,
11.7901

397.4660,
378.2834, 213.9391

39.9416, 33.7253,
6.4801

97.2434, 87.0133,
29.7709

27.6770, 22.6826,
3.0657

124.3980,
112.7774, 43.2788

18.2215, 14.3594,
1.1283

156.1884,
143.1827, 60.3564

11.2098, 8.3710,
0.0000

192.9800,
178.6138, 81.4222

6.2765, 4.3333,
0.0000

235.1382,
219.4550, 106.8949

3.0562, 1.8617,
0.0000

283.0284,

1.1835, 0.5252,

266.0908, 137.1929

0.0000

337.0159,
318.9054, 172.7348

■ 0.0933, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.3806, 47.8717,
11.7901

■ 55.3806, 47.8717,
11.7901

■ 52.6470, 43.3913,
7.8385

■ 58.6755, 52.9343,
17.5979

■ 50.4177, 39.4538,
5.4885

■ 62.5735, 58.5994,
25.4664

■ 49.1631, 37.1066,
4.5711

■ 67.1153, 64.8949,
35.5760

■ 72.3366, 71.8441,
48.0862

78.2700, 79.4688,
63.1419

84.9458, 87.7896,
80.8762

92.3923, 96.8261,
101.4133

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.



66.8391, 47.8717, 21.6621



55.3806, 47.8717, 11.7901



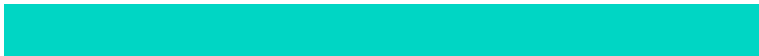
42.8882, 47.8717, 10.0141

Triad

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



55.3806, 47.8717, 11.7901



26.0927, 47.8717, 60.1321



60.8091, 47.8717, 125.9547

Complementary

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



55.3806, 47.8717, 11.7901



33.0039, 33.5889, 99.3510

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.



48.2170, 47.8717, 150.1879



55.3806, 47.8717, 11.7901



29.2687, 47.8717, 102.7227

Square

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



55.3806, 47.8717, 11.7901



27.3280, 47.8717, 29.8864



36.8717, 47.8717, 140.1993



70.3411, 47.8717, 83.3191

Rectangle

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



55.3806, 47.8717, 11.7901



35.8709, 47.8717, 12.3756



36.8717, 47.8717, 140.1993



56.7158, 47.8717, 137.2193

Sweetspot

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



55.3817, 47.8742, 11.7910



79.1163, 80.5371, 65.3473



49.7844, 27.9854, 36.7281



16.5686, 16.7758, 13.0370



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.



55.3817, 47.8742, 11.7910



51.5476, 41.4878, 6.5599



78.0430, 93.1969, 19.3448



18.7723, 19.5127, 18.9213



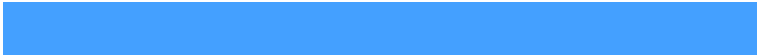
25.8388, 19.6888, 2.4385



2.6252, 2.1357, 0.2739

Inverse Universe

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



33.0039, 33.5889, 99.3510



28.1269, 26.5528, 98.2505



22.5013, 12.5836, 95.8501



17.7409, 18.8535, 22.9540



13.4418, 11.7931, 51.0024



1.4178, 1.3663, 5.0023

Previews

White Background



This preview shows how the XYZ color 55.3806, 47.8717, 11.7901 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 55.3806, 47.8717, 11.7901 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 55.3806, 47.8717, 11.7901

Background



This preview shows how black text looks on a background with the XYZ color 55.3806, 47.8717, 11.7901.



This preview shows how white text looks on a background with the XYZ color 55.3806, 47.8717,

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

55.3806, 47.8717, 11.7901

Protanopia

43.7618, 48.1715, 13.4701

Deuteranopia

48.8885, 47.8531, 11.5104



Tritanopia

60.0114, 47.7901, 42.1379

Trichromacy



Original Color

55.3806, 47.8717, 11.7901

Protanomaly

47.3233, 47.6001, 12.8244

Deuteranomaly

51.1136, 47.8582, 11.5446

Tritanomaly

57.6674, 47.6680, 27.2805

Monochromacy



Original Color

55.3806, 47.8717, 11.7901

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.5284, 45.4016, 30.7899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3806, 47.8717, 11.7901 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, 163, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 68)  
}
```

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, 163, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 68) }
```

Border

The CSS property to change the border of an element to XYZ 55.3806, 47.8717, 11.7901 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, 163, 68) }
```


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

```
.border{ border-color:rgb(255, 163, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3806, 47.8717, 11.7901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 68) }
```

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

```
.background{ background-color: rgb(255,  
163, 68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor