

Converting Colors

XYZ(47.1870, 30.7778, 11.2383)

Have a look what the booklet for
XYZ(47.1870, 30.7778, 11.2383)
contains.

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Color

**XYZ(47.1870, 30.7778,
11.2383)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6351
RGB	255, 99, 81
RGB Percent	100%, 39%, 32%
CMY	0.0000, 0.6117, 0.6823
CMYK	0.00, 0.61, 0.68, 0.00
HSL	6°, 100%, 66%
HSV	6°, 68%, 100%
XYZ	47.1870, 30.7778, 11.2383
YIQ	143.5920, 98.7540, 27.4740

Conversions

Conversions Part 2

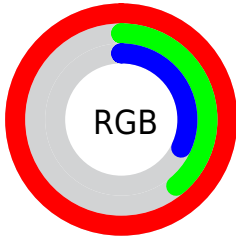
Format	Color
R_{YB}	255, 101, 81
Decimal	16737105
CIE Lab	62.32, 58.33, 41.22
CIE LCh	62, 71.421, 35.248
Yxy	30.7778, 0.5290, 0.3450
Android (android.graphics.Color)	4294927185 (0xFFFF6351)
YUV	143.5920, -30.8579, 97.7048
Hunter-Lab	55.4777, 54.7384, 26.8239

Details

The XYZ color **47.1870, 30.7778, 11.2383** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **51.7246, 69.5319, 105.3018**, and the grayscale version is **26.4389, 27.8157, 30.2913**.

A 20% lighter version of the original color is **57.0581, 46.3414, 27.4102**, and **22.5147, 12.6488, 2.8449** is the 20% darker color. If you saturate the color by 10%, you get **44.5361, 26.7300, 6.4899**, and if you desaturate by 10%, it is **50.8110, 36.1983, 18.0816**.

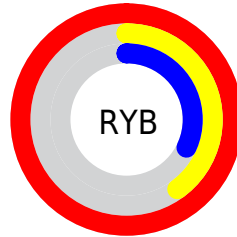
Distribution



Red (100%)

Green (39%)

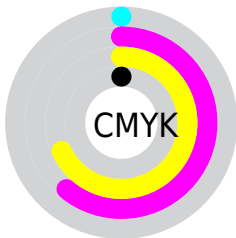
Blue (32%)



Red (100%)

Yellow (40%)

Blue (32%)

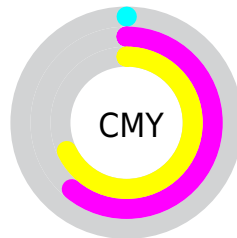


Cyan (0%)

Magenta (61%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1870, 30.7778, 11.2383 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 47.1870, 30.7778, 11.2383 by changing the saturation by 10% instead.


 47.1870, 30.7778,
11.2383


 47.1870, 30.7778,
11.2383


366.1969,
305.5133, 210.0910

 33.3921, 20.4297,
6.1112


 85.2097, 60.8901,
28.7433

 22.5876, 12.7078,
2.8429


 110.1683, 81.4230,
41.9583


 14.4083, 7.2276,
1.0150


 139.5787,
106.1197, 58.7064

 8.4888, 3.6049,
0.0000

 173.8064,
135.3646, 79.4060

 4.4637, 1.4551,
0.0000

 213.2167,
169.5420, 104.4757

 1.9677, 0.2568,
0.0000

258.1750,

 0.6157, 0.0000,

209.0363, 134.3341

0.0000

309.0466,
254.2320, 169.3997

■ 0.0000, 0.0000,
0.0000

■ 47.1870, 30.7778,
11.2383

■ 47.1870, 30.7778,
11.2383

■ 44.5361, 26.7300,
6.4899

■ 50.8110, 36.1983,
18.0816

■ 42.7603, 23.9262,
3.5929

■ 55.4890, 43.0946,
27.2237


■ 41.7395, 22.2201,
2.2183

■ 61.2958, 51.5662,
38.8456

■ 41.6178, 22.0161,
2.0560

■ 68.2987, 61.7021,
53.1102

■ 76.5597, 73.5849,
70.1662

 86.1366, 87.2915,
90.1515

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.



51.9112, 30.7778, 28.8799



47.1870, 30.7778, 11.2383



37.7362, 30.7778, 4.7034

Triad

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



47.1870, 30.7778, 11.2383



15.4243, 30.7778, 15.8144



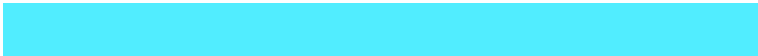
30.9846, 30.7778, 119.2486

Complementary

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



47.1870, 30.7778, 11.2383



51.7246, 69.5319, 105.3018

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.



22.1478, 30.7778, 108.7082



47.1870, 30.7778, 11.2383



14.3860, 30.7778, 38.6142

Square

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



47.1870, 30.7778, 11.2383



19.7932, 30.7778, 6.1429



16.5594, 30.7778, 74.5194



41.3301, 30.7778, 98.3953

Rectangle

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



47.1870, 30.7778, 11.2383



30.8187, 30.7778, 3.5443



16.5594, 30.7778, 74.5194



27.7419, 30.7778, 119.3420

Sweetspot

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



47.1877, 30.7795, 11.2388



75.0080, 71.3574, 66.9467



59.5560, 33.2944, 83.8681



15.5437, 14.5389, 13.2719



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.



47.1877, 30.7795, 11.2388



43.7707, 25.5355, 5.1963



60.1576, 56.7194, 15.5621



18.1606, 18.2894, 18.7174



21.7953, 11.6019, 1.0906



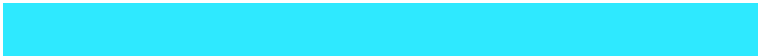
2.1697, 1.2249, 0.1221

Inverse Universe

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



51.7246, 69.5319, 105.3018



48.4125, 66.2792, 104.8493



32.4457, 30.9741, 98.8755



18.3848, 20.1412, 23.1686



24.0806, 33.0707, 54.5487



2.3890, 3.3086, 5.3260

Previews

White Background



This preview shows how the XYZ color 47.1870, 30.7778, 11.2383 looks on a white background.

Color Contrast Check

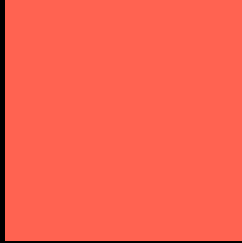
Large Text (above 18pt) WCAG AA × Fail

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 47.1870, 30.7778, 11.2383 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 47.1870, 30.7778, 11.2383

Background



This preview shows how black text looks on a background with the XYZ color 47.1870, 30.7778, 11.2383.



This preview shows how white text looks on a background with the XYZ color 47.1870, 30.7778,

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

47.1870, 30.7778, 11.2383

Protanopia

28.6767, 30.9458, 16.5183

Deuteranopia

31.3927, 30.8535, 10.4316



Tritanopia

47.9629, 30.7887, 16.2468

Trichromacy



Original Color

47.1870, 30.7778, 11.2383

Protanomaly

33.2530, 29.1632, 14.2324

Deuteranomaly

35.8531, 29.7952, 10.5180

Tritanomaly

47.6732, 30.8216, 14.2630

Monochromacy



Original Color

47.1870, 30.7778, 11.2383

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.9375, 27.0092, 21.6719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1870, 30.7778, 11.2383 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, 99, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 81)  
}
```

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, 99, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 81) }
```

Border

The CSS property to change the border of an element to XYZ 47.1870, 30.7778, 11.2383 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, 99, 81) }
```


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

```
.border{ border-color:rgb(255, 99, 81) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1870, 30.7778, 11.2383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 81) }
```

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

```
.background{ background-color: rgb(255, 99,  
81) }
```

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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