

Converting Colors

XYZ(76.7879, 45.7259, 12.9894)

Have a look what the booklet for
XYZ(76.7879, 45.7259, 12.9894)
contains.

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Color

**XYZ(47.0760, 30.4339,
11.5768)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6153
RGB	255, 97, 83
RGB Percent	100%, 38%, 33%
CMY	0.0000, 0.6196, 0.6745
CMYK	0.00, 0.62, 0.67, 0.00
HSL	5°, 100%, 66%
HSV	5°, 67%, 100%
XYZ	47.0760, 30.4339, 11.5768
YIQ	142.6460, 98.6620, 29.1420

Conversions

Conversions Part 2

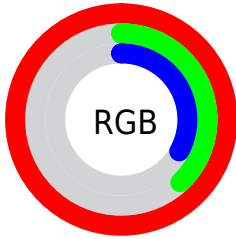
Format	Color
R _Y B	255, 98, 83
Decimal	16736595
CIE Lab	62.03, 59.28, 39.78
CIE LCh	62, 71.389, 33.865
Yxy	30.4339, 0.5284, 0.3416
Android (android.graphics.Color)	4294926675 (0xFFFF6153)
YUV	142.6460, -29.4055, 98.5345
Hunter-Lab	55.1669, 55.7786, 26.1748

Details

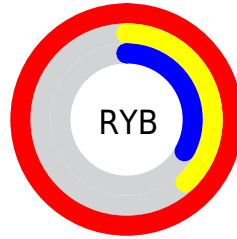
The XYZ color **47.0760, 30.4339, 11.5768** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **53.0697, 71.9639, 105.7004**, and the grayscale version is **26.0545, 27.4114, 29.8510**.

A 20% lighter version of the original color is **56.8649, 45.7359, 28.0211**, and **22.4507, 12.4717, 2.9743** is the 20% darker color. If you saturate the color by 10%, you get **44.4121, 26.4029, 6.6923**, and if you desaturate by 10%, it is **50.7419, 35.8906, 18.5808**.

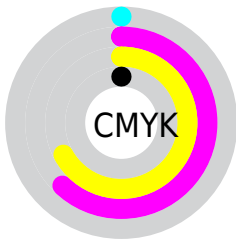
Distribution



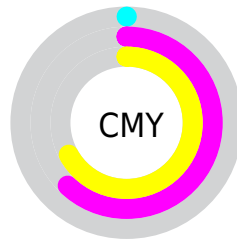
- Red (100%)
- Green (38%)
- Blue (33%)



- Red (100%)
- Yellow (38%)
- Blue (33%)



- Cyan (0%)
- Magenta (62%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0760, 30.4339, 11.5768 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 47.0760, 30.4339, 11.5768 by changing the saturation by 10% instead.


 47.0760, 30.4339,
11.5768


 47.0760, 30.4339,
11.5768


365.7617,
303.9218, 212.4606

 33.3039, 20.1682,
6.3372

 85.0451, 60.3477,
29.3747


 22.5197, 12.5173,
2.9791


 109.9729, 80.7645,
42.7701


 14.3580, 7.0970,
1.0840


 139.3499,
105.3339, 59.7212

 8.4535, 3.5229,
0.0000

 173.5416,
134.4401, 80.6465

 4.4407, 1.4104,
0.0000

 212.9132,
168.4676, 105.9645

 1.9543, 0.2244,
0.0000

257.8302,

 0.6081, 0.0000,

207.8008, 136.0939

0.0000

308.6579,
252.8240, 171.4531

■ 0.0000, 0.0000,
0.0000

■ 47.0760, 30.4339,
11.5768

■ 47.0760, 30.4339,
11.5768

■ 44.4121, 26.4029,
6.6923

■ 50.7419, 35.8906,
18.5808

■ 42.6481, 23.6594,
3.6855

■ 55.4943, 42.8840,
27.9072


■ 41.6613, 22.0461,
2.2462

■ 61.4112, 51.5203,
39.7369

■ 41.5037, 21.7877,
2.0180

■ 68.5626, 61.8944,
54.2326

■ 77.0133, 74.0945,
71.5430

 86.8233, 88.2023,
91.8061

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.



51.4717, 30.4339, 29.7073



47.0760, 30.4339, 11.5768



37.8227, 30.4339, 4.7568

Triad

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



47.0760, 30.4339, 11.5768



15.3408, 30.4339, 14.9083



30.1859, 30.4339, 118.5565

Complementary

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



47.0760, 30.4339, 11.5768



53.0697, 71.9639, 105.7004

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.



21.5476, 30.4339, 106.6429



47.0760, 30.4339, 11.5768



14.1657, 30.4339, 36.8217

Square

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



47.0760, 30.4339, 11.5768



19.8284, 30.4339, 5.7997



16.1687, 30.4339, 72.0829



40.4528, 30.4339, 99.0786

Rectangle

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



47.0760, 30.4339, 11.5768



30.9402, 30.4339, 3.4930



16.1687, 30.4339, 72.0829



27.0022, 30.4339, 118.1308

Sweetspot

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



47.0767, 30.4356, 11.5773



74.7325, 70.8064, 66.8549



60.5913, 33.9498, 88.5759



15.4792, 14.4099, 13.2504



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.



47.0767, 30.4356, 11.5773



43.6888, 25.2891, 5.4239



59.2167, 54.7157, 15.6240



18.1282, 18.2246, 18.7066



21.7279, 11.4670, 1.0682



2.1545, 1.1943, 0.1170

Inverse Universe

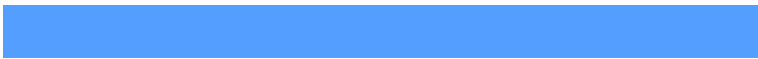
The Inverse Universe completely reimagines the original color for something new.



53.0697, 71.9639, 105.7004



49.9164, 69.1116, 105.3167



33.7647, 33.3539, 99.2654



18.4209, 20.2133, 23.1806



24.8928, 34.6953, 54.8195



2.4596, 3.4500, 5.3495

Previews

White Background



This preview shows how the XYZ color 47.0760, 30.4339, 11.5768 looks on a white background.

Color Contrast Check

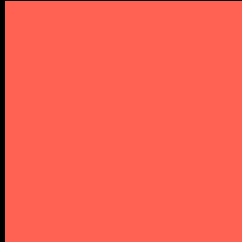
Large Text (above 18pt) WCAG AA × Fail

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 47.0760, 30.4339, 11.5768 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 47.0760, 30.4339, 11.5768

Background



This preview shows how black text looks on a background with the XYZ color 47.0760, 30.4339, 11.5768.



This preview shows how white text looks on a background with the XYZ color 47.0760, 30.4339,

11.5768.

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

47.0760, 30.4339, 11.5768

Protanopia

28.4588, 30.5785, 17.2343

Deuteranopia

31.0661, 30.4536, 10.7193



Tritanopia

47.6812, 30.3840, 15.6635

Trichromacy



Original Color

47.0760, 30.4339, 11.5768

Protanomaly

32.9926, 28.8129, 14.8889

Deuteranomaly

35.3788, 29.1592, 10.7848

Tritanomaly

47.4433, 30.4339, 13.9635

Monochromacy



Original Color

47.0760, 30.4339, 11.5768

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

30.6792, 26.4925, 21.5858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0760, 30.4339, 11.5768 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, 97, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 83)  
}
```

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, 97, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 83) }
```

Border

The CSS property to change the border of an element to XYZ 47.0760, 30.4339, 11.5768 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, 97, 83) }
```


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

```
.border{ border-color:rgb(255, 97, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 97, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0760, 30.4339, 11.5768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 83) }
```

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

```
.background{ background-color: rgb(255, 97,  
83) }
```

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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