

Converting Colors

XYZ(47.4226, 31.0552, 11.9137)

Have a look what the booklet for
XYZ(47.4226, 31.0552, 11.9137)
contains.

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Color

**XYZ(47.3974, 31.0144,
11.8758)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6454
RGB	255, 100, 84
RGB Percent	100%, 39%, 33%
CMY	0.0000, 0.6078, 0.6706
CMYK	0.00, 0.61, 0.67, 0.00
HSL	6°, 100%, 66%
HSV	6°, 67%, 100%
XYZ	47.3974, 31.0144, 11.8758
YIQ	144.5210, 97.5160, 27.8840

Conversions

Conversions Part 2

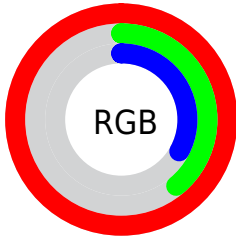
Format	Color
RYB	255, 102, 84
Decimal	16737364
CIELab	62.52, 58.05, 39.82
CIELCh	63, 70.397, 34.449
Yxy	31.0144, 0.5250, 0.3435
Android (android.graphics.Color)	4294927444 (0xFFFF6454)
YUV	144.5210, -29.8369, 96.8901
Hunter-Lab	55.6906, 54.4601, 26.3400

Details

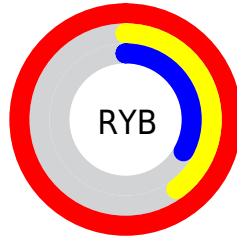
The XYZ color **47.3974, 31.0144, 11.8758** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **52.5700, 70.8326, 105.5085**, and the grayscale version is **26.8100, 28.2063, 30.7166**.

A 20% lighter version of the original color is **57.4315, 46.7582, 28.5525**, and **22.6286, 12.8022, 3.1121** is the 20% darker color. If you saturate the color by 10%, you get **44.6630, 26.8638, 6.9014**, and if you desaturate by 10%, it is **51.1253, 36.5711, 18.9742**.

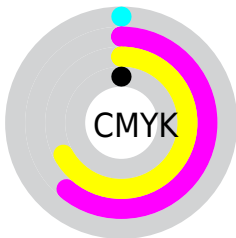
Distribution



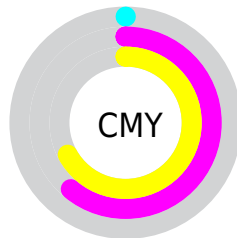
- Red (100%)
- Green (39%)
- Blue (33%)



- Red (100%)
- Yellow (40%)
- Blue (33%)



- Cyan (0%)
- Magenta (61%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3974, 31.0144, 11.8758 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 47.3974, 31.0144, 11.8758 by changing the saturation by 10% instead.


 47.3974, 31.0144,
11.8758

 47.3974, 31.0144,
11.8758


367.0210,
306.6047, 214.5300

 33.5592, 20.6098,
6.5377


 85.5217, 61.2627,
29.9297


 22.7164, 12.8391,
3.1006

 110.5384, 81.8753,
43.4825


 14.5038, 7.3178,
1.1463


 140.0120,
106.6593, 60.6107

 8.5559, 3.6617,
0.0000

 174.3079,
135.9991, 81.7327

 4.5075, 1.4862,
0.0000

 213.7914,
170.2792, 107.2671

 1.9930, 0.2790,
0.0000

258.8279,

 0.6300, 0.0000,

209.8838, 137.6324

0.0000

309.7826,
255.1975, 173.2472

■ 0.0000, 0.0000,
0.0000

■ 47.3974, 31.0144,
11.8758

■ 47.3974, 31.0144,
11.8758

■ 44.6630, 26.8638,
6.9014

■ 51.1253, 36.5711,
18.9742

■ 42.8234, 23.9880,
3.8120

■ 55.9281, 43.6394,
28.3976


■ 41.7623, 22.2392,
2.3069

■ 61.8816, 52.3210,
40.3254

■ 41.5638, 21.9079,
2.0380

■ 69.0537, 62.7068,
54.9190

■ 77.5072, 74.8814,
72.3262

 87.3005, 88.9235,
92.6841

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.



51.8832, 31.0144, 29.8456



47.3974, 31.0144, 11.8758



38.1451, 31.0144, 5.0519

Triad

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



47.3974, 31.0144, 11.8758



15.8022, 31.0144, 15.7627



30.9283, 31.0144, 118.2253

Complementary

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



47.3974, 31.0144, 11.8758



52.5700, 70.8326, 105.5085

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.



22.2349, 31.0144, 107.0821



47.3974, 31.0144, 11.8758



14.6794, 31.0144, 38.0229

Square

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



47.3974, 31.0144, 11.8758



20.2493, 31.0144, 6.2932



16.7627, 31.0144, 73.1941



41.1557, 31.0144, 98.5020

Rectangle

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



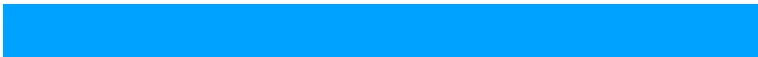
47.3974, 31.0144, 11.8758



31.2937, 31.0144, 3.7918



16.7627, 31.0144, 73.1941



27.7345, 31.0144, 118.0218

Sweetspot

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



47.3981, 31.0162, 11.8763



74.8842, 71.1100, 66.9055



60.2500, 33.9366, 86.3979



15.5147, 14.4810, 13.2622



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.



47.3981, 31.0162, 11.8763



44.0338, 25.8916, 5.8087



59.9287, 56.0772, 16.0532



18.1461, 18.2604, 18.7125



21.7635, 11.5383, 1.0801



2.1629, 1.2112, 0.1198

Inverse Universe

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



52.5700, 70.8326, 105.5085



49.3825, 67.8584, 105.1030



33.4692, 32.6310, 99.1416



18.4009, 20.1735, 23.1740



24.4415, 33.7925, 54.6690



2.4204, 3.3715, 5.3365

Previews

White Background



This preview shows how the XYZ color 47.3974, 31.0144, 11.8758 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 47.3974, 31.0144, 11.8758 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 47.3974, 31.0144, 11.8758

Background



This preview shows how black text looks on a background with the XYZ color 47.3974, 31.0144, 11.8758.



This preview shows how white text looks on a background with the XYZ color 47.3974, 31.0144,

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

47.3974, 31.0144, 11.8758

Protanopia

28.8246, 31.0050, 17.2973

Deuteranopia

31.5275, 30.9074, 11.1415



Tritanopia

48.1064, 30.9948, 16.5438

Trichromacy



Original Color

47.3974, 31.0144, 11.8758

Protanomaly

33.3885, 29.2174, 14.9461

Deuteranomaly

35.9944, 29.8517, 11.2620

Tritanomaly

47.8595, 31.0467, 14.7794

Monochromacy



Original Color

47.3974, 31.0144, 11.8758

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.4330, 27.4449, 22.3796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3974, 31.0144, 11.8758 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, 100, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 84)  
}
```

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, 100, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 84) }
```

Border

The CSS property to change the border of an element to XYZ 47.3974, 31.0144, 11.8758 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, 100, 84) }
```


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

```
.border{ border-color:rgb(255, 100, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 100, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3974, 31.0144, 11.8758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 84) }
```

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

```
.background{ background-color: rgb(255,  
100, 84) }
```

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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