

Converting Colors

XYZ(47.6323, 31.4574, 12.0369)

Have a look what the booklet for
XYZ(47.6323, 31.4574, 12.0369)
contains.

XYZ(47.5916, 31.4028, 11.9405)	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(47.5916, 31.4028,
11.9405)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6654
RGB	255, 102, 84
RGB Percent	100%, 40%, 33%
CMY	0.0000, 0.6000, 0.6706
CMYK	0.00, 0.60, 0.67, 0.00
HSL	6°, 100%, 66%
HSV	6°, 67%, 100%
XYZ	47.5916, 31.4028, 11.9405
YIQ	145.6950, 96.9660, 26.8380

Conversions

Conversions Part 2

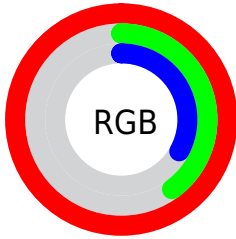
Format	Color
RYB	255, 104, 84
Decimal	16737876
CIELab	62.85, 57.19, 40.21
CIELCh	63, 69.908, 35.114
Yxy	31.4028, 0.5234, 0.3453
Android (android.graphics.Color)	4294927956 (0xFFFF6654)
YUV	145.6950, -30.4156, 95.8605
Hunter-Lab	56.0382, 53.5280, 26.5934

Details

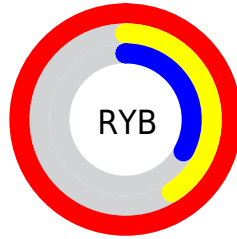
The XYZ color **47.5916, 31.4028, 11.9405** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **51.9877, 69.6680, 105.3144**, and the grayscale version is **27.2907, 28.7120, 31.2673**.

A 20% lighter version of the original color is **57.7699, 47.4350, 28.6653**, and **22.7364, 13.0177, 3.1480** is the 20% darker color. If you saturate the color by 10%, you get **44.8264, 27.1906, 6.9559**, and if you desaturate by 10%, it is **51.3385, 36.9975, 19.0452**.

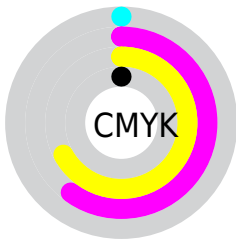
Distribution



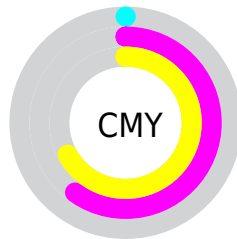
- Red (100%)
- Green (40%)
- Blue (33%)



- Red (100%)
- Yellow (41%)
- Blue (33%)



- Cyan (0%)
- Magenta (60%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5916, 31.4028, 11.9405 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 47.5916, 31.4028, 11.9405 by changing the saturation by 10% instead.


 47.5916, 31.4028,
11.9405


 47.5916, 31.4028,
11.9405


367.7806,
308.3897, 214.9749


 33.7135, 20.9058,
6.5811


 85.8094, 61.8737,
30.0495

 22.8354, 13.0551,
3.1271


 110.8798, 82.6163,
43.6361


 14.5921, 7.4665,
1.1599


 140.4117,
107.5430, 60.8023

 8.6180, 3.7555,
0.0000

 174.7704,
137.0380, 81.9666

 4.5480, 1.5378,
0.0000

 214.3213,
171.4858, 107.5474

 2.0166, 0.3151,
0.0000

259.4297,

 0.6433, 0.0000,

211.2707, 137.9634

0.0000

310.4610,
256.7772, 173.6330

■ 0.0000, 0.0000,
0.0000

■ 47.5916, 31.4028,
11.9405

■ 47.5916, 31.4028,
11.9405

■ 44.8264, 27.1906,
6.9559

■ 51.3385, 36.9975,
19.0452

■ 42.9470, 24.2351,
3.8532

■ 56.1463, 44.0757,
28.4702


■ 41.8406, 22.3957,
2.3330

■ 62.0886, 52.7350,
40.3943

■ 41.6284, 22.0371,
2.0595

■ 69.2319, 63.0633,
54.9783

■ 77.6373, 75.1418,
72.3695

 87.3620, 89.0466,
92.7045

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.



52.2082, 31.4028, 29.7027



47.5916, 31.4028, 11.9405



38.2887, 31.4028, 5.1920

Triad

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



47.5916, 31.4028, 11.9405



16.0628, 31.4028, 16.4514



31.5194, 31.4028, 118.2381

Complementary

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



47.5916, 31.4028, 11.9405



51.9877, 69.6680, 105.3144

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.



22.7480, 31.4028, 107.8383



47.5916, 31.4028, 11.9405



15.0039, 31.4028, 39.1129

Square

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



47.5916, 31.4028, 11.9405



20.4570, 31.4028, 6.6485



17.1736, 31.4028, 74.3942



41.7449, 31.4028, 98.0393

Rectangle

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



47.5916, 31.4028, 11.9405



31.4439, 31.4028, 3.9644



17.1736, 31.4028, 74.3942



28.3059, 31.4028, 118.2799

Sweetspot

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



47.5923, 31.4046, 11.9410



75.0307, 71.4028, 66.9543



59.8280, 33.7678, 84.1761



15.5490, 14.5496, 13.2737



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.



47.5923, 31.4046, 11.9410



44.1863, 26.1965, 5.8595



60.5256, 57.2712, 16.2521



18.1633, 18.2947, 18.7183



21.8014, 11.6141, 1.0927



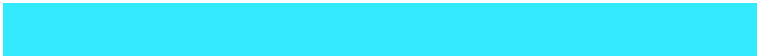
2.1710, 1.2274, 0.1225

Inverse Universe

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



51.9877, 69.6680, 105.3144



48.7005, 66.4943, 104.8756



32.9995, 31.6915, 98.9850



18.3818, 20.1352, 23.1676



24.0150, 32.9396, 54.5268



2.3832, 3.2972, 5.3241

Previews

White Background



This preview shows how the XYZ color 47.5916, 31.4028, 11.9405 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 47.5916, 31.4028, 11.9405 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 47.5916, 31.4028, 11.9405

Background



This preview shows how black text looks on a background with the XYZ color 47.5916, 31.4028, 11.9405.



This preview shows how white text looks on a background with the XYZ color 47.5916, 31.4028,

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

47.5916, 31.4028, 11.9405

Protanopia

29.1436, 31.4151, 17.0981

Deuteranopia

32.1689, 31.4640, 11.2151



Tritanopia

48.3987, 31.4150, 17.1485

Trichromacy



Original Color

47.5916, 31.4028, 11.9405

Protanomaly

33.8794, 29.8822, 14.8087

Deuteranomaly

36.4129, 30.2621, 11.3191

Tritanomaly

48.0983, 31.4492, 15.0905

Monochromacy



Original Color

47.5916, 31.4028, 11.9405

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.8075, 27.8344, 22.4350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5916, 31.4028, 11.9405 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, 102, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 84) }
```

Border

The CSS property to change the border of an element to XYZ 47.5916, 31.4028, 11.9405 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, 102, 84) }
```


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

```
.border{ border-color:rgb(255, 102, 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, 102, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5916, 31.4028, 11.9405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 84) }
```

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

```
.background{ background-color: rgb(255,  
102, 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](#).

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