

Converting Colors

XYZ(47.1343, 31.3797, 9.0417)

Have a look what the booklet for
XYZ(47.1343, 31.3797, 9.0417)
contains.

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Color

**XYZ(47.1336, 31.3779,
9.0412)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6744
RGB	255, 103, 68
RGB Percent	100%, 40%, 27%
CMY	0.0000, 0.5960, 0.7333
CMYK	0.00, 0.60, 0.73, 0.00
HSL	11°, 100%, 63%
HSV	11°, 73%, 100%
XYZ	47.1336, 31.3779, 9.0412
YIQ	144.4580, 101.8270, 21.3390

Conversions

Conversions Part 2

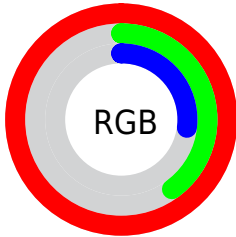
Format	Color
R_{YB}	255, 111, 68
Decimal	16738116
CIE Lab	62.83, 56.00, 48.65
CIE LCh	63, 74.180, 40.985
Yxy	31.3779, 0.5383, 0.3584
Android (android.graphics.Color)	4294928196 (0xFFFF6744)
YUV	144.4580, -37.6938, 96.9453
Hunter-Lab	56.0160, 52.1675, 29.6415

Details

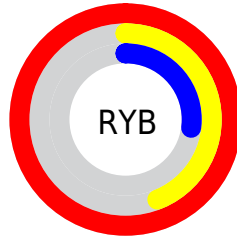
The XYZ color **47.1336, 31.3779, 9.0412** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **46.0245, 59.6303, 103.6909**, and the grayscale version is **26.8142, 28.2106, 30.7214**.

A 20% lighter version of the original color is **56.9082, 47.3643, 23.2824**, and **22.5891, 13.0809, 1.9961** is the 20% darker color. If you saturate the color by 10%, you get **44.7053, 27.5081, 5.1912**, and if you desaturate by 10%, it is **50.4123, 36.4083, 14.8432**.

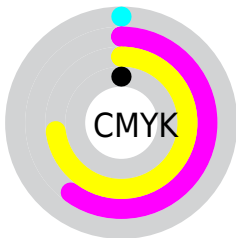
Distribution



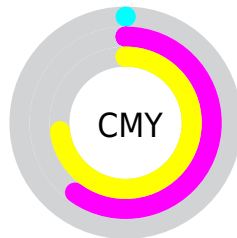
- Red (100%)
- Green (40%)
- Blue (27%)



- Red (100%)
- Yellow (44%)
- Blue (27%)



- Cyan (0%)
- Magenta (60%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1336, 31.3779, 9.0412 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 47.1336, 31.3779, 9.0412 by changing the saturation by 10% instead.


 47.1336, 31.3779,
9.0412

 47.1336, 31.3779,
9.0412

365.9876,
308.2755, 193.9143

 33.3497, 20.8868,
4.6709


 85.1305, 61.8346,
24.5547


 22.5550, 13.0413,
2.0001


 110.0743, 82.5689,
36.5350


 14.3841, 7.4570,
0.5554


 139.4686,
107.4864, 51.8891

 8.4718, 3.7495,
0.0000

 173.6790,
136.9715, 71.0354

 4.4526, 1.5344,
0.0000

 213.0707,
171.4085, 94.3925

 1.9613, 0.3128,
0.0000

258.0091,

 0.6121, 0.0000,

211.1820, 122.3791

0.0000

308.8596,
256.6762, 155.4135

■ 0.0000, 0.0000,
0.0000

■ 47.1336, 31.3779,
9.0412

■ 47.1336, 31.3779,
9.0412

■ 44.7053, 27.5081,
5.1912

■ 50.4123, 36.4083,
14.8432

■ 43.0395, 24.6977,
3.0291


■ 54.6129, 42.6785,
22.8125


■ 42.2860, 23.3525,
2.2788

■ 59.8011, 50.2669,
33.1375

■ 66.0362, 59.2437,
45.9854

■ 73.3724, 69.6740,
61.5085

 81.8601, 81.6188,
79.8468

 91.5468, 95.1357,
101.1303

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.



53.4036, 31.3779, 24.5754



47.1336, 31.3779, 9.0412



36.6518, 31.3779, 3.8728

Triad

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



47.1336, 31.3779, 9.0412



14.9054, 31.3779, 18.9869



33.7029, 31.3779, 123.7672

Complementary

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



47.1336, 31.3779, 9.0412



46.0245, 59.6303, 103.6909

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.



23.9012, 31.3779, 119.0456



47.1336, 31.3779, 9.0412



14.4639, 31.3779, 45.9724

Square

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



47.1336, 31.3779, 9.0412



18.7591, 31.3779, 6.9446



17.3746, 31.3779, 85.5590



44.5575, 31.3779, 96.1872

Rectangle

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



47.1336, 31.3779, 9.0412



29.4893, 31.3779, 3.2025



17.3746, 31.3779, 85.5590



30.1607, 31.3779, 126.1810

Sweetspot

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



47.1343, 31.3797, 9.0417



74.4366, 71.1777, 63.7874



56.3202, 30.5996, 71.1464



15.4739, 14.5864, 12.6721



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.



47.1343, 31.3797, 9.0417



43.8391, 26.0709, 3.9905



61.9741, 61.0593, 13.9883



18.2845, 18.5371, 18.7587



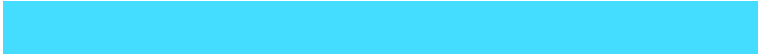
22.1738, 12.3588, 1.2168



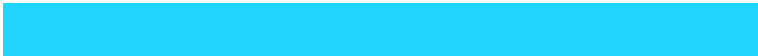
2.2288, 1.3430, 0.1418

Inverse Universe

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



46.0245, 59.6303, 103.6909



42.3946, 55.0882, 103.0064



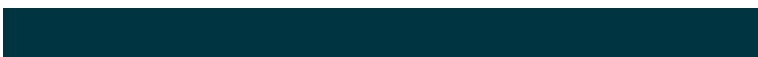
28.0513, 23.6839, 97.6999



18.2488, 19.8692, 23.1233



21.2271, 27.3638, 53.5975



2.1381, 2.8068, 5.2424

Previews

White Background



This preview shows how the XYZ color 47.1336, 31.3779, 9.0412 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 47.1336, 31.3779, 9.0412 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 47.1336, 31.3779, 9.0412

Background



This preview shows how black text looks on a background with the XYZ color 47.1336, 31.3779, 9.0412.



This preview shows how white text looks on a background with the XYZ color 47.1336, 31.3779, 9.0412.

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

47.1336, 31.3779, 9.0412

Protanopia

28.9769, 31.4214, 12.9252

Deuteranopia

32.1243, 31.5034, 8.3906



Tritanopia

48.3987, 31.4150, 17.1485

Trichromacy



Original Color

47.1336, 31.3779, 9.0412

Protanomaly

33.7197, 29.8796, 11.1978

Deuteranomaly

36.5837, 30.6092, 8.5374

Tritanomaly

47.8254, 31.3401, 13.6538

Monochromacy



Original Color

47.1336, 31.3779, 9.0412

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.7698, 27.1518, 20.1421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1336, 31.3779, 9.0412 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, 103, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 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, 103, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 68) }
```

Border

The CSS property to change the border of an element to XYZ 47.1336, 31.3779, 9.0412 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, 103, 68) }
```


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

```
.border{ border-color:rgb(255, 103, 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, 103, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1336, 31.3779, 9.0412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 68) }
```

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

```
.background{ background-color: rgb(255,  
103, 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](#).

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