

Converting Colors

XYZ(47.4613, 31.8310, 9.7734)

Have a look what the booklet for
XYZ(47.4613, 31.8310, 9.7734)
contains.

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Color

**XYZ(47.4613, 31.8310,
9.7734)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6948
RGB	255, 105, 72
RGB Percent	100%, 41%, 28%
CMY	0.0000, 0.5882, 0.7176
CMYK	0.00, 0.59, 0.72, 0.00
HSL	11°, 100%, 64%
HSV	11°, 72%, 100%
XYZ	47.4613, 31.8310, 9.7734
YIQ	146.0880, 99.9930, 21.5370

Conversions

Conversions Part 2

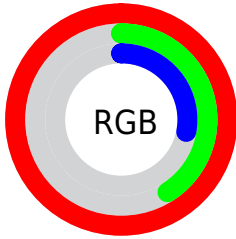
Format	Color
R_{YB}	255, 112, 72
Decimal	16738632
CIE Lab	63.20, 55.28, 47.01
CIE LCh	63, 72.569, 40.374
Yxy	31.8310, 0.5329, 0.3574
Android (android.graphics.Color)	4294928712 (0xFFFF6948)
YUV	146.0880, -36.5254, 95.5158
Hunter-Lab	56.4190, 51.4263, 29.2225

Details

The XYZ color **47.4613, 31.8310, 9.7734** 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 **46.8415, 60.8358, 103.8809**, and the grayscale version is **27.4753, 28.9062, 31.4788**.

A 20% lighter version of the original color is **57.4977, 48.1549, 24.6767**, and **22.7183, 13.2605, 2.2818** is the 20% darker color. If you saturate the color by 10%, you get **44.9216, 27.8187, 5.6388**, and if you desaturate by 10%, it is **50.8702, 37.0309, 15.8987**.

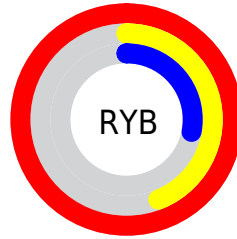
Distribution



Red (100%)

Green (41%)

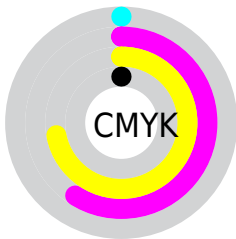
Blue (28%)



Red (100%)

Yellow (44%)

Blue (28%)

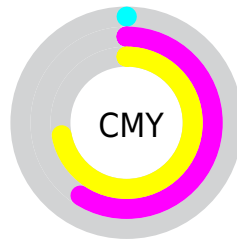


Cyan (0%)

Magenta (59%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4613, 31.8310, 9.7734 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 47.4613, 31.8310, 9.7734 by changing the saturation by 10% instead.


 47.4613, 31.8310,
9.7734


 47.4613, 31.8310,
9.7734


367.2711,
310.3487, 199.4728


 33.6100, 21.2324,
5.1453


 85.6163, 62.5461,
25.9695

 22.7556, 13.2940,
2.2726


 110.6508, 83.4314,
38.3747


 14.5328, 7.6313,
0.7158


 140.1436,
108.5143, 54.2093

 8.5764, 3.8600,
0.0000

 174.4601,
138.1794, 73.8918

 4.5208, 1.5955,
0.0000

 213.9658,
172.8110, 97.8409

 2.0008, 0.3546,
0.0000

259.0260,

 0.6344, 0.0000,

212.7935, 126.4751

0.0000

310.0059,
258.5113, 160.2128

■ 0.0000, 0.0000,
0.0000

■ 47.4613, 31.8310,
9.7734

■ 47.4613, 31.8310,
9.7734

■ 44.9216, 27.8187,
5.6388

■ 50.8702, 37.0309,
15.8987

■ 43.1642, 24.8922,
3.2392


■ 55.2192, 43.4984,
24.2249


■ 42.2166, 23.2135,
2.2556

■ 60.5741, 51.3124,
34.9371

■ 66.9939, 60.5439,
48.2001

■ 74.5330, 71.2590,
64.1643

 83.2421, 83.5193,
82.9683

 93.1686, 97.3831,
104.7411

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.



53.4770, 31.8310, 25.6303



47.4613, 31.8310, 9.7734



37.2082, 31.8310, 4.3182

Triad

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



47.4613, 31.8310, 9.7734



15.4776, 31.8310, 19.2154



33.8634, 31.8310, 122.3711

Complementary

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



47.4613, 31.8310, 9.7734



46.8415, 60.8358, 103.8809

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.



24.2259, 31.8310, 117.1002



47.4613, 31.8310, 9.7734



14.9681, 31.8310, 45.5911

Square

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



47.4613, 31.8310, 9.7734



19.3986, 31.8310, 7.3062



17.8080, 31.8310, 84.1861



44.5520, 31.8310, 96.0948

Rectangle

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



47.4613, 31.8310, 9.7734



30.1286, 31.8310, 3.5662



17.8080, 31.8310, 84.1861



30.3806, 31.8310, 124.4747

Sweetspot

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



47.4620, 31.8328, 9.7739



74.3423, 70.9891, 63.7560



57.0797, 31.3038, 73.9106



15.4520, 14.5426, 12.6648



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.



47.4620, 31.8328, 9.7739



44.0873, 26.4525, 4.4273



61.7013, 60.3114, 14.5204



18.2743, 18.5167, 18.7553



22.1351, 12.2814, 1.2039



2.2236, 1.3326, 0.1400

Inverse Universe

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



46.8415, 60.8358, 103.8809



43.1808, 56.4171, 103.2215



29.1101, 25.3730, 97.9704



18.2598, 19.8913, 23.1270



21.4469, 27.8033, 53.6708



2.1575, 2.8458, 5.2489

Previews

White Background



This preview shows how the XYZ color 47.4613, 31.8310, 9.7734 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 47.4613, 31.8310, 9.7734 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 47.4613, 31.8310, 9.7734

Background



This preview shows how black text looks on a background with the XYZ color 47.4613, 31.8310, 9.7734.



This preview shows how white text looks on a background with the XYZ color 47.4613, 31.8310,

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

47.4613, 31.8310, 9.7734

Protanopia

29.3011, 31.8119, 13.8285

Deuteranopia

32.6619, 31.9930, 9.1564



Tritanopia

48.6981, 31.8455, 17.7675

Trichromacy



Original Color

47.4613, 31.8310, 9.7734

Protanomaly

34.1466, 30.4969, 12.0694

Deuteranomaly

36.8312, 30.9221, 9.1816

Tritanomaly

48.1558, 31.7867, 14.4238

Monochromacy



Original Color

47.4613, 31.8310, 9.7734

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.6958, 28.0036, 21.1875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4613, 31.8310, 9.7734 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, 105, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 72)  
}
```

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, 105, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 72) }
```

Border

The CSS property to change the border of an element to XYZ 47.4613, 31.8310, 9.7734 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, 105, 72) }
```


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

```
.border{ border-color:rgb(255, 105, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4613, 31.8310, 9.7734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 72) }
```

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

```
.background{ background-color: rgb(255,  
105, 72) }
```

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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