

Converting Colors

XYZ(64.6788, 41.1053, 11.1853)

Have a look what the booklet for
XYZ(64.6788, 41.1053, 11.1853)
contains.

XYZ(47.8726, 32.4931, 10.4052)	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(47.8726, 32.4931,
10.4052)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6C4B
RGB	255, 108, 75
RGB Percent	100%, 42%, 29%
CMY	0.0000, 0.5764, 0.7059
CMYK	0.00, 0.58, 0.71, 0.00
HSL	11°, 100%, 65%
HSV	11°, 71%, 100%
XYZ	47.8726, 32.4931, 10.4052
YIQ	148.1910, 98.2050, 20.9010

Conversions

Conversions Part 2

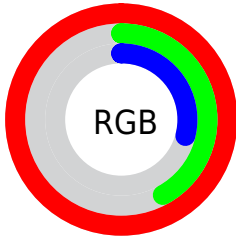
Format	Color
RYB	255, 115, 75
Decimal	16739403
CIELab	63.75, 54.08, 46.06
CIELCh	64, 71.033, 40.422
Yxy	32.4931, 0.5274, 0.3580
Android (android.graphics.Color)	4294929483 (0xFFFF6C4B)
YUV	148.1910, -36.0832, 93.6715
Hunter-Lab	57.0027, 50.1549, 29.0792

Details

The XYZ color **47.8726, 32.4931, 10.4052** 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 **47.0707, 60.9539, 103.8917**, and the grayscale version is **28.3465, 29.8227, 32.4769**.

A 20% lighter version of the original color is **58.0389, 48.9351, 25.7885**, and **22.9234, 13.6162, 2.5186** is the 20% darker color. If you saturate the color by 10%, you get **45.2280, 28.3323, 6.0464**, and if you desaturate by 10%, it is **51.3926, 37.8462, 16.7805**.

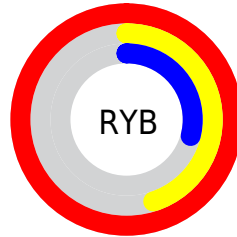
Distribution



Red (100%)

Green (42%)

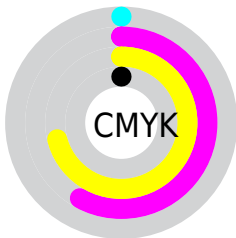
Blue (29%)



Red (100%)

Yellow (45%)

Blue (29%)

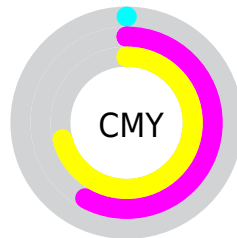


Cyan (0%)

Magenta (58%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8726, 32.4931, 10.4052 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 47.8726, 32.4931, 10.4052 by changing the saturation by 10% instead.

 47.8726, 32.4931,
10.4052

 47.8726, 32.4931,
10.4052


368.8779,
313.3594, 204.1289

 33.9368, 21.7384,
5.5593


 86.2255, 63.5833,
27.1745

 23.0077, 13.6648,
2.5146


 111.3734, 84.6876,
39.9351


 14.7199, 7.8879,
0.8479


 140.9894,
110.0106, 56.1710

 8.7081, 4.0233,
0.0000

 175.4388,
139.9367, 76.3007

 4.6069, 1.6866,
0.0000

 215.0870,
174.8502, 100.7428

 2.0509, 0.4150,
0.0000

260.2993,

 0.6623, 0.0000,

215.1355, 129.9158

0.0000

311.4412,
261.1771, 164.2383

■ 0.0000, 0.0000,
0.0000

■ 47.8726, 32.4931,
10.4052

■ 47.8726, 32.4931,
10.4052

■ 45.2280, 28.3323,
6.0464

■ 51.3926, 37.8462,
16.7805

■ 43.3741, 25.2646,
3.4547


■ 55.8574, 44.4695,
25.3784

■ 42.2468, 23.2739,
2.2657

■ 61.3314, 52.4404,
36.3814

■ 67.8729, 61.8286,
49.9522

■ 75.5354, 72.6989,
66.2396

 84.3687, 85.1119,
85.3808

94.4199, 99.1249,
107.5038

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.



53.8002, 32.4931, 26.3583



47.8726, 32.4931, 10.4052



37.7538, 32.4931, 4.7834

Triad

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



47.8726, 32.4931, 10.4052



16.1288, 32.4931, 20.0029



34.4784, 32.4931, 121.3489

Complementary

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



47.8726, 32.4931, 10.4052



47.0707, 60.9539, 103.8917

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.



24.9021, 32.4931, 116.2693



47.8726, 32.4931, 10.4052



15.6213, 32.4931, 46.2547

Square

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



47.8726, 32.4931, 10.4052



20.0583, 32.4931, 7.9011



18.4808, 32.4931, 84.1740



45.0361, 32.4931, 95.6928

Rectangle

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



47.8726, 32.4931, 10.4052



30.7428, 32.4931, 3.9963



18.4808, 32.4931, 84.1740



31.0250, 32.4931, 123.4147

Sweetspot

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



47.8733, 32.4949, 10.4057



75.1970, 72.2210, 65.5130



56.9407, 31.5661, 72.1988



15.6206, 14.7871, 13.0069



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.



47.8733, 32.4949, 10.4057



44.3181, 26.8500, 4.7017



62.7039, 62.1561, 15.3493



18.2788, 18.5257, 18.7568



22.1519, 12.3151, 1.2095



2.2259, 1.3371, 0.1408

Inverse Universe

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



47.0707, 60.9539, 103.8917



43.2234, 56.3665, 103.2095



29.2030, 25.2185, 97.9358



18.2550, 19.8816, 23.1253



21.3500, 27.6096, 53.6385



2.1490, 2.8286, 5.2460

Previews

White Background



This preview shows how the XYZ color 47.8726, 32.4931, 10.4052 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 47.8726, 32.4931, 10.4052 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 47.8726, 32.4931, 10.4052

Background



This preview shows how black text looks on a background with the XYZ color 47.8726, 32.4931, 10.4052.



This preview shows how white text looks on a background with the XYZ color 47.8726, 32.4931,

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

47.8726, 32.4931, 10.4052

Protanopia

30.1872, 32.7441, 14.6267

Deuteranopia

33.1851, 32.4792, 9.8303



Tritanopia

49.1608, 32.5108, 18.7231

Trichromacy



Original Color

47.8726, 32.4931, 10.4052

Protanomaly

34.8156, 31.2503, 12.7913

Deuteranomaly

37.5174, 31.6643, 9.9288

Tritanomaly

48.5986, 32.4499, 15.2573

Monochromacy



Original Color

47.8726, 32.4931, 10.4052

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.3322, 28.7203, 21.9286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8726, 32.4931, 10.4052 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, 108, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 75)  
}
```

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, 108, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 75) }
```

Border

The CSS property to change the border of an element to XYZ 47.8726, 32.4931, 10.4052 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, 108, 75) }
```


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

```
.border{ border-color:rgb(255, 108, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8726, 32.4931, 10.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 75) }
```

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

```
.background{ background-color: rgb(255,  
108, 75) }
```

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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