

Converting Colors

XYZ(47.7863, 32.9436, 8.4558)

Have a look what the booklet for
XYZ(47.7863, 32.9436, 8.4558)
contains.

XYZ(47.7939, 32.9767, 8.4035)	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(47.7939, 32.9767,
8.4035)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6F3E
RGB	255, 111, 62
RGB Percent	100%, 44%, 24%
CMY	0.0000, 0.5647, 0.7569
CMYK	0.00, 0.56, 0.76, 0.00
HSL	15°, 100%, 62%
HSV	15°, 76%, 100%
XYZ	47.7939, 32.9767, 8.4035
YIQ	148.4700, 101.5530, 15.2890

Conversions

Conversions Part 2

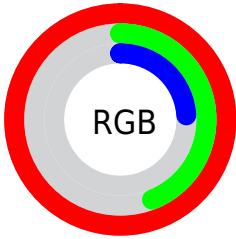
Format	Color
R_{YB}	255, 128, 62
Decimal	16740158
CIE _{Lab}	64.14, 52.16, 53.02
CIE _{LCh}	64, 74.380, 45.469
Yxy	32.9767, 0.5360, 0.3698
Android (android.graphics.Color)	4294930238 (0xFFFF6F3E)
YUV	148.4700, -42.6297, 93.4268
Hunter-Lab	57.4253, 48.0674, 31.5214

Details

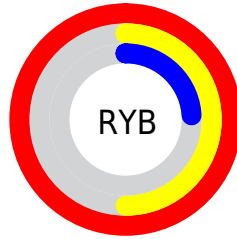
The XYZ color **47.7939, 32.9767, 8.4035** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **42.1057, 52.3824, 102.4985**, and the grayscale version is **28.4891, 29.9727, 32.6403**.

A 20% lighter version of the original color is **57.8008, 49.7023, 21.8763**, and **22.9548, 13.9266, 1.7654** is the 20% darker color. If you saturate the color by 10%, you get **45.3916, 29.0419, 4.9227**, and if you desaturate by 10%, it is **50.9677, 37.9305, 13.7596**.

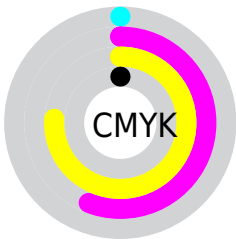
Distribution



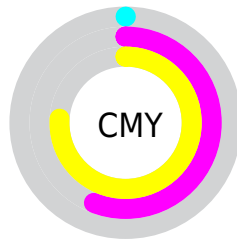
- Red (100%)
- Green (44%)
- Blue (24%)



- Red (100%)
- Yellow (50%)
- Blue (24%)



- Cyan (0%)
- Magenta (56%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7939, 32.9767, 8.4035 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 47.7939, 32.9767, 8.4035 by changing the saturation by 10% instead.


 47.7939, 32.9767,
8.4035


 47.7939, 32.9767,
8.4035

368.5708,
315.5447, 188.9147

 33.8743, 22.1086,
4.2628


 86.1090, 64.3392,
23.3048


 22.9595, 13.9367,
1.7706


 111.2352, 85.6023,
34.9025


 14.6841, 8.0767,
0.4084


 140.8277,
111.0992, 49.8229

 8.6829, 4.1440,
0.0000

 175.2517,
141.2144, 68.4846

 4.5903, 1.7545,
0.0000

 214.8727,
176.3321, 91.3061

 2.0412, 0.4585,
0.0000

 260.0559,

 0.6570, 0.0000,

216.8368, 118.7059

0.0000

311.1669,
263.1129, 151.1026

■ 0.0000, 0.0000,
0.0000

■ 47.7939, 32.9767,
8.4035

■ 47.7939, 32.9767,
8.4035

■ 45.3916, 29.0419,
4.9227

■ 50.9677, 37.9305,
13.7596

■ 43.6800, 26.0438,
3.0414

■ 54.9771, 43.9656,
21.2117

■ 43.1157, 25.0120,
2.5553

■ 59.8815, 51.1454,
30.9513

■ 65.7338, 59.5267,
43.1476

■ 72.5827, 69.1623,
57.9537

80.4733, 80.1018,
75.5102

89.4478, 92.3919,
95.9475

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.



55.1857, 32.9767, 22.5544



47.7939, 32.9767, 8.4035



36.7025, 32.9767, 3.9442

Triad

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



47.7939, 32.9767, 8.4035



15.5457, 32.9767, 23.2343



37.0597, 32.9767, 125.7957

Complementary

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



47.7939, 32.9767, 8.4035



42.1057, 52.3824, 102.4985

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.



26.5331, 32.9767, 126.3638



47.7939, 32.9767, 8.4035



15.5996, 32.9767, 53.6987

Square

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



47.7939, 32.9767, 8.4035



19.0122, 32.9767, 8.6613



19.1808, 32.9767, 95.1328



48.1054, 32.9767, 93.8521

Rectangle

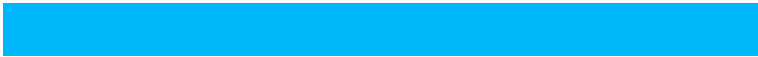
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



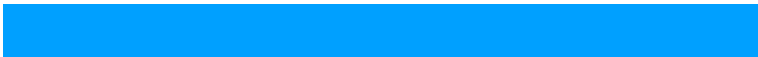
47.7939, 32.9767, 8.4035



29.4529, 32.9767, 3.5905



19.1808, 32.9767, 95.1328



33.3130, 32.9767, 130.0800

Sweetspot

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



47.7946, 32.9785, 8.4040



74.5984, 71.9709, 62.3937



54.1942, 29.1980, 61.6505



15.3907, 14.6010, 12.0865



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.



47.7946, 32.9785, 8.4040



44.4020, 27.3374, 3.7444



64.3614, 66.1120, 13.9263



18.3842, 18.7365, 18.7919



22.6290, 13.2692, 1.3685



2.2862, 1.4578, 0.1609

Inverse Universe

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



42.1057, 52.3824, 102.4985



38.1591, 46.9154, 101.6521



25.6395, 19.4501, 97.0098



18.1414, 19.6544, 23.0875



19.2069, 23.3233, 52.9241



1.9574, 2.4456, 5.1821

Previews

White Background



This preview shows how the XYZ color 47.7939, 32.9767, 8.4035 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 47.7939, 32.9767, 8.4035 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 47.7939, 32.9767, 8.4035

Background



This preview shows how black text looks on a background with the XYZ color 47.7939, 32.9767, 8.4035.



This preview shows how white text looks on a background with the XYZ color 47.7939, 32.9767,

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

47.7939, 32.9767, 8.4035

Protanopia

30.3920, 33.1692, 11.4571

Deuteranopia

33.7154, 33.0298, 7.8472



Tritanopia

49.4783, 32.9676, 19.3784

Trichromacy



Original Color

47.7939, 32.9767, 8.4035

Protanomaly

35.1122, 31.8949, 10.1001

Deuteranomaly

37.9931, 32.3652, 7.9860

Tritanomaly

48.6229, 32.7933, 14.3567

Monochromacy



Original Color

47.7939, 32.9767, 8.4035

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.3684, 29.1771, 20.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7939, 32.9767, 8.4035 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, 111, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 62)  
}
```

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, 111, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 62) }
```

Border

The CSS property to change the border of an element to XYZ 47.7939, 32.9767, 8.4035 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, 111, 62) }
```


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

```
.border{ border-color:rgb(255, 111, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7939, 32.9767, 8.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 62) }
```

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

```
.background{ background-color: rgb(255,  
111, 62) }
```

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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