

# Converting Colors

XYZ(47.9684, 37.0793, 9.1862)

Have a look what the booklet for  
XYZ(47.9684, 37.0793, 9.1862)  
contains.

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# Color

**XYZ(47.9684, 37.0793,  
9.1862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8853E
RGB	248, 133, 62
RGB Percent	97%, 52%, 24%
CMY	0.0275, 0.4784, 0.7569
CMYK	0.00, 0.46, 0.75, 0.03
HSL	23°, 93%, 61%
HSV	23°, 75%, 97%
XYZ	47.9684, 37.0793, 9.1862
YIQ	159.2910, 91.3310, 2.2990

# Conversions

## Conversions Part 2

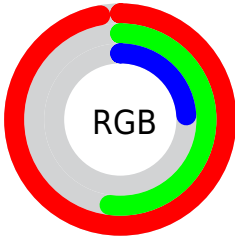
Format	Color
<a href="#">RYB</a>	<a href="#">248, 177, 62</a>
Decimal	<a href="#">16287038</a>
CIELab	<a href="#">67.34, 38.88, 55.97</a>
CIELCh	<a href="#">67, 68.143, 55.215</a>
Yxy	<a href="#">37.0793, 0.5090, 0.3935</a>
Android (android.graphics.Color)	<a href="#">4294477118</a> (0xFFFF8853E)
YUV	<a href="#">159.2910, -47.9645, 77.7978</a>
Hunter-Lab	<a href="#">60.8928, 34.0514, 33.6805</a>

# Details

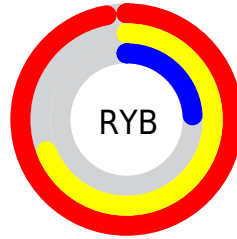
The XYZ color **47.9684, 37.0793, 9.1862** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.6507, 39.2431, 94.5547**, and the grayscale version is **33.2726, 35.0053, 38.1208**.

A 20% lighter version of the original color is **61.9910, 57.9929, 23.5493**, and **22.9719, 16.2079, 2.0326** is the 20% darker color. If you saturate the color by 10%, you get **45.4885, 32.9717, 5.7336**, and if you desaturate by 10%, it is **51.0666, 41.9278, 14.3758**.

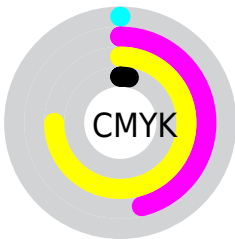
# Distribution



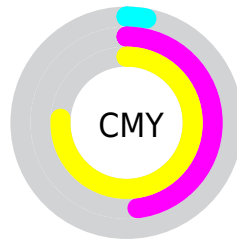
- Red (97%)
- Green (52%)
- Blue (24%)



- Red (97%)
- Yellow (69%)
- Blue (24%)



- Cyan (0%)
- Magenta (46%)
- Yellow (75%)
- Black (3%)




- Cyan (3%)
- Magenta (48%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9684, 37.0793, 9.1862 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 47.9684, 37.0793, 9.1862 by changing the saturation by 10% instead.




 47.9684, 37.0793,  
9.1862


 47.9684, 37.0793,  
9.1862


369.2515,  
333.6537, 195.0298


 34.0130, 25.2689,  
4.7644


 86.3673, 70.6947,  
24.8366


 23.0665, 16.2775,  
2.0534


 111.5416, 93.2685,  
36.9022


 14.7636, 9.7207,  
0.5878


 141.1862,  
120.1990, 52.3528

 8.7389, 5.2142,  
0.0000

 175.6664,  
151.8704, 71.6069

 4.6270, 2.3735,  
0.0000

 215.3478,  
188.6671, 95.0832

 2.0626, 0.8122,  
0.0000

260.5955,

 0.6688, 0.0000,

230.9737, 123.2001

0.0000

311.7750,  
279.1744, 156.3761

■ 0.0000, 0.0000,  
0.0000

■ 47.9684, 37.0793,  
9.1862

■ 47.9684, 37.0793,  
9.1862

■ 45.4885, 32.9717,  
5.7336

■ 51.0666, 41.9278,  
14.3758

■ 43.5651, 29.5541,  
3.7692

■ 54.8305, 47.5511,  
21.5016

■ 42.7741, 28.0824,  
3.1660

■ 59.3047, 53.9874,  
30.7374

■ 64.5288, 61.2705,  
42.2368

■ 70.5393, 69.4317,  
56.1391

77.3698, 78.5010,  
72.5720

85.0522, 88.5065,  
91.6543

92.5211, 98.6963,  
108.7816

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.6812, 37.0793, 20.5133



47.9684, 37.0793, 9.1862



36.9426, 37.0793, 5.9224

# Triad

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



47.9684, 37.0793, 9.1862



18.7960, 37.0793, 35.7682



44.4964, 37.0793, 117.8289

# Complementary

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



47.9684, 37.0793, 9.1862



34.6507, 39.2431, 94.5547

# 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.



33.5959, 37.0793, 128.9289



47.9684, 37.0793, 9.1862



20.0330, 37.0793, 70.1209

# Square

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



47.9684, 37.0793, 9.1862



21.2032, 37.0793, 15.6693



24.9939, 37.0793, 108.3111



54.4153, 37.0793, 82.8100



# Rectangle

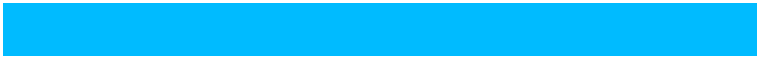
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.9684, 37.0793, 9.1862



30.2368, 37.0793, 6.4412



24.9939, 37.0793, 108.3111



40.7729, 37.0793, 125.0368

# Sweetspot

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



47.9692, 37.0813, 9.1869



77.2136, 76.7316, 64.7131



48.6517, 26.6889, 45.6606



16.1214, 15.8814, 12.8879



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.



47.9692, 37.0813, 9.1869



47.3387, 33.1679, 4.8553



66.0217, 73.1862, 15.2043



17.7877, 18.3113, 18.0593



23.2317, 15.4201, 1.7519



2.2505, 1.6258, 0.1952

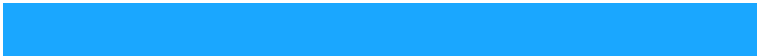


# Inverse Universe

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



34.6507, 39.2431, 94.5547



32.3530, 35.2125, 99.6992



22.3220, 14.5858, 90.4451



17.1767, 18.4303, 22.0374



15.4748, 16.3052, 50.3052



1.5356, 1.7149, 4.6932



# Previews

## White Background



This preview shows how the XYZ color 47.9684, 37.0793, 9.1862 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 47.9684, 37.0793, 9.1862 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 47.9684, 37.0793, 9.1862**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9684, 37.0793, 9.1862.



This preview shows how white text looks on a background with the XYZ color 47.9684, 37.0793,



# 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

47.9684, 37.0793, 9.1862

### Protanopia

34.1209, 37.4325, 11.3881

### Deuteranopia

38.0317, 37.1746, 8.7854



## Tritanopia

51.7816, 37.0839, 26.9830

# Trichromacy



## Original Color

47.9684, 37.0793, 9.1862

## Protanomaly

38.1667, 36.4652, 10.4957

## Deuteranomaly

41.1724, 36.8574, 8.9472

## Tritanomaly

50.2096, 37.0303, 18.6886

# Monochromacy



## Original Color

47.9684, 37.0793, 9.1862

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

36.0303, 34.3443, 23.7989

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9684, 37.0793, 9.1862 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(248, 133, 62)` looks like.

```
.text, #text, p{  
    color:rgb(248, 133, 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(248, 133, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 133, 62) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9684, 37.0793, 9.1862 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(248, 133, 62) }
```



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

```
.border{ border-color:rgb(248, 133, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 133, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 133, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 133, 62);  
box-shadow:4px 4px 4px 4px rgb(248, 133,  
62) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9684, 37.0793, 9.1862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 133, 62) }
```

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

```
.background{ background-color: rgb(248,  
133, 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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