

Converting Colors

XYZ(49.4364, 35.7867, 13.9748)

Have a look what the booklet for
XYZ(49.4364, 35.7867, 13.9748)
contains.

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Color

**XYZ(49.4364, 35.7867,
13.9748)**

Conversions

Conversions Part 1

Format	Color
Hex	FD7B5A
RGB	253, 123, 90
RGB Percent	99%, 48%, 35%
CMY	0.0078, 0.5176, 0.6471
CMYK	0.00, 0.51, 0.64, 0.01
HSL	12°, 98%, 67%
HSV	12°, 64%, 99%
XYZ	49.4364, 35.7867, 13.9748
YIQ	158.1080, 88.0730, 17.2970

Conversions

Conversions Part 2

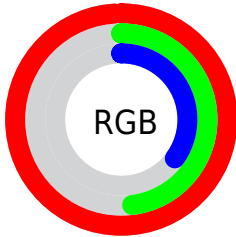
Format	Color
R _Y B	253, 131, 90
Decimal	16612186
CIE Lab	66.36, 47.12, 41.11
CIE LCh	66, 62.532, 41.103
Yxy	35.7867, 0.4984, 0.3608
Android (android.graphics.Color)	4294802266 (0xFFFD7B5A)
YUV	158.1080, -33.5772, 83.2203
Hunter-Lab	59.8220, 42.8225, 28.0249

Details

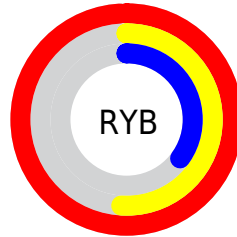
The XYZ color **49.4364, 35.7867, 13.9748** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **47.5373, 60.4480, 102.0901**, and the grayscale version is **32.6691, 34.3704, 37.4294**.

A 20% lighter version of the original color is **61.9681, 55.0239, 32.5539**, and **24.1121, 15.6311, 4.0318** is the 20% darker color. If you saturate the color by 10%, you get **46.2867, 30.9277, 8.4859**, and if you desaturate by 10%, it is **53.4699, 41.8277, 21.5661**.

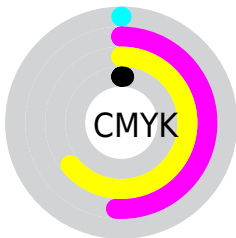
Distribution



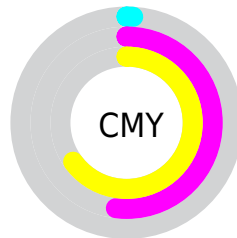
- Red (99%)
- Green (48%)
- Blue (35%)



- Red (99%)
- Yellow (51%)
- Blue (35%)



- Cyan (0%)
- Magenta (51%)
- Yellow (64%)
- Black (1%)



- Cyan (1%)
- Magenta (52%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4364, 35.7867, 13.9748 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 49.4364, 35.7867, 13.9748 by changing the saturation by 10% instead.

49.4364, 35.7867,
13.9748

49.4364, 35.7867,
13.9748

374.9463,
328.0273, 228.4970

35.1817, 24.2695,
7.9646

88.5361, 68.7027,
33.7608

23.9701, 15.5337,
3.9848

114.1118, 90.8703,
48.3737

15.4360, 9.1948,
1.6170

144.1920,
117.3569, 66.6911

9.2143, 4.8684,
0.3029

179.1419,
148.5467, 89.1318

4.9394, 2.1703,
0.0000

219.3269,
184.8243, 116.1142

2.2462, 0.7037,
0.0000

265.1125,

0.7669, 0.0000,

226.5740, 148.0568

0.0000

316.8638,
274.1802, 185.3782

■ 0.0000, 0.0000,
0.0000

■ 49.4364, 35.7867,
13.9748

■ 49.4364, 35.7867,
13.9748

■ 46.2867, 30.9277,
8.4859

■ 53.4699, 41.8277,
21.5661

■ 43.9475, 27.1655,
4.8817

■ 58.4473, 49.1167,
31.4440

■ 42.3364, 24.4119,
2.8997

■ 64.4264, 57.7215,
43.7746

■ 41.7017, 23.2705,
2.2937

■ 71.4591, 67.7034,
58.7080

■ 79.5939, 79.1195,
76.3824

88.8762, 92.0240,
96.9258

94.3178, 99.6225,
108.8657

Harmonies

Analogous

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



54.8775, 35.7867, 29.8689



49.4364, 35.7867, 13.9748



40.1742, 35.7867, 7.7352

Triad

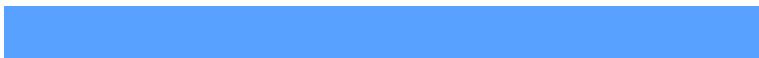
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.4364, 35.7867, 13.9748



19.6847, 35.7867, 24.5580



37.5945, 35.7867, 114.4561

Complementary

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



49.4364, 35.7867, 13.9748



47.5373, 60.4480, 102.0901

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.



28.5184, 35.7867, 110.7817



49.4364, 35.7867, 13.9748



19.2488, 35.7867, 49.7438

Square

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



49.4364, 35.7867, 13.9748



23.5127, 35.7867, 11.6231



22.1877, 35.7867, 83.5529



47.2527, 35.7867, 92.0533

Rectangle

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



49.4364, 35.7867, 13.9748



33.6693, 35.7867, 6.8319



22.1877, 35.7867, 83.5529



34.3614, 35.7867, 116.4240

Sweetspot

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



49.4372, 35.7886, 13.9754



77.0960, 75.0399, 69.1642



57.1353, 33.3836, 71.4203



16.0017, 15.3591, 13.7199



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.



49.4372, 35.7886, 13.9754



46.4266, 30.3845, 7.5081



63.9699, 64.8540, 18.8196



18.3072, 18.5826, 18.7662



22.2654, 12.5420, 1.2473



2.2409, 1.3672, 0.1458

Inverse Universe

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



47.5373, 60.4480, 102.0901



44.1944, 56.8621, 103.2539



31.1643, 27.7020, 96.6324



18.2241, 19.8198, 23.1150



20.7447, 26.3990, 53.4367



2.0952, 2.7211, 5.2281

Previews

White Background



This preview shows how the XYZ color 49.4364, 35.7867, 13.9748 looks on a white background.

Color Contrast Check

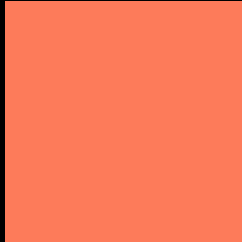
Large Text (above 18pt) WCAG AA × Fail

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 49.4364, 35.7867, 13.9748 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 49.4364, 35.7867, 13.9748

Background



This preview shows how black text looks on a background with the XYZ color 49.4364, 35.7867, 13.9748.



This preview shows how white text looks on a background with the XYZ color 49.4364, 35.7867,

13.9748.

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

49.4364, 35.7867, 13.9748

Protanopia

33.3235, 36.0702, 18.3026

Deuteranopia

36.7090, 35.8934, 13.3809



Tritanopia

51.4843, 35.7232, 23.9204

Trichromacy



Original Color

49.4364, 35.7867, 13.9748

Protanomaly

37.7439, 34.9180, 16.5549

Deuteranomaly

40.7156, 35.3769, 13.4866

Tritanomaly

50.5702, 35.6960, 19.8475

Monochromacy



Original Color

49.4364, 35.7867, 13.9748

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.3514, 33.2817, 26.6984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4364, 35.7867, 13.9748 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(253, 123, 90)` looks like.

```
.text, #text, p{  
    color:rgb(253, 123, 90)  
}
```

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(253, 123, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 123, 90) }
```

Border

The CSS property to change the border of an element to XYZ 49.4364, 35.7867, 13.9748 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".

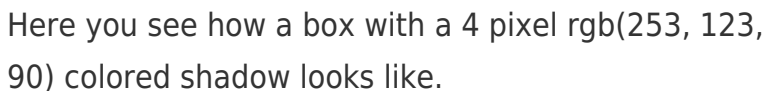
```
.border, #border, table{ border:4px solid rgb(253, 123, 90) }
```


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

```
.border{ border-color:rgb(253, 123, 90) }
```

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

Here you see how a box with a 4 pixel rgb(253, 123, 90) colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 123, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 123, 90);  
box-shadow:4px 4px 4px 4px rgb(253, 123,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4364, 35.7867, 13.9748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 123, 90) }
```

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

```
.background{ background-color: rgb(253,  
123, 90) }
```

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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