

Converting Colors

XYZ(99.6729, 62.6419, 16.2374)

Have a look what the booklet for
XYZ(99.6729, 62.6419, 16.2374)
contains.

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Color

**XYZ(50.7623, 37.4196,
13.9984)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8059
RGB	255, 128, 89
RGB Percent	100%, 50%, 35%
CMY	0.0000, 0.4980, 0.6510
CMYK	0.00, 0.50, 0.65, 0.00
HSL	14°, 100%, 67%
HSV	14°, 65%, 100%
XYZ	50.7623, 37.4196, 13.9984
YIQ	161.5270, 88.2110, 14.7950

Conversions

Conversions Part 2

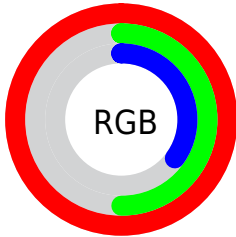
Format	Color
R_{YB}	255, 140, 89
Decimal	16744537
CIE _{Lab}	67.59, 45.36, 43.18
CIE _{LCh}	68, 62.629, 43.588
Yxy	37.4196, 0.4968, 0.3662
Android (android.graphics.Color)	4294934617 (0xFFFF8059)
YUV	161.5270, -35.7558, 81.9758
Hunter-Lab	61.1716, 41.0753, 29.2523

Details

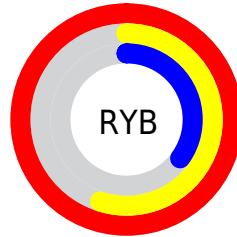
The XYZ color **50.7623, 37.4196, 13.9984** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **46.7237, 58.4517, 103.4268**, and the grayscale version is **34.2555, 36.0395, 39.2470**.

A 20% lighter version of the original color is **62.9071, 57.0204, 32.5014**, and **24.9086, 16.5297, 3.9755** is the 20% darker color. If you saturate the color by 10%, you get **47.5665, 32.4553, 8.5339**, and if you desaturate by 10%, it is **54.8197, 43.5145, 21.5794**.

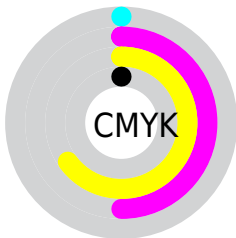
Distribution



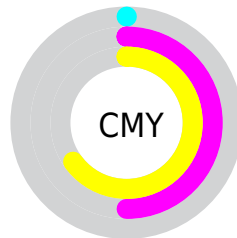
- Red (100%)
- Green (50%)
- Blue (35%)



- Red (100%)
- Yellow (55%)
- Blue (35%)



- Cyan (0%)
- Magenta (50%)
- Yellow (65%)
- Black (0%)



- Cyan (0%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7623, 37.4196, 13.9984 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 50.7623, 37.4196, 13.9984 by changing the saturation by 10% instead.

50.7623, 37.4196,
13.9984

50.7623, 37.4196,
13.9984

380.0425,
335.1236, 228.6490

36.2397, 25.5325,
7.9808

90.4884, 71.2177,
33.8033

24.7904, 16.4743,
3.9951

116.4227, 93.8974,
48.4276

16.0488, 9.8604,
1.6226

146.8915,
120.9436, 66.7580

9.6498, 5.3065,
0.3069

182.2604,
152.7405, 89.2130

5.2279, 2.4282,
0.0000

222.8945,
189.6726, 116.2110

2.4177, 0.8403,
0.0000

269.1593,

0.8539, 0.0000,

232.1242, 148.1706

0.0000

321.4202,
280.4797, 185.5104

■ 0.0000, 0.0000,
0.0000

■ 50.7623, 37.4196,
13.9984

■ 50.7623, 37.4196,
13.9984

■ 47.5665, 32.4553,
8.5339

■ 54.8197, 43.5145,
21.5794

■ 45.1613, 28.5433,
4.9630

■ 59.7965, 50.7995,
31.4650

■ 43.4672, 25.6038,
3.0152

■ 65.7481, 59.3370,
43.8248

■ 42.8514, 24.4833,
2.4672

■ 72.7246, 69.1831,
58.8115

■ 80.7727, 80.3905,
76.5655

89.9360, 93.0089,
97.2174

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



56.8112, 37.4196, 29.4956



50.7623, 37.4196, 13.9984



41.0682, 37.4196, 8.0798

Triad

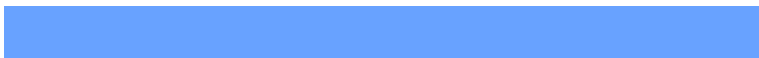
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.7623, 37.4196, 13.9984



20.5769, 37.4196, 27.5029



40.1037, 37.4196, 117.2518

Complementary

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



50.7623, 37.4196, 13.9984



46.7237, 58.4517, 103.4268

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.



30.5790, 37.4196, 115.8859



50.7623, 37.4196, 13.9984



20.4130, 37.4196, 54.5395

Square

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



50.7623, 37.4196, 13.9984



24.2503, 37.4196, 13.1096



23.7528, 37.4196, 89.4332



49.9471, 37.4196, 92.5972

Rectangle

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



50.7623, 37.4196, 13.9984



34.4183, 37.4196, 7.3992



23.7528, 37.4196, 89.4332



36.7394, 37.4196, 120.0712

Sweetspot

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



50.7632, 37.4216, 13.9991



76.6909, 74.7233, 67.5077



57.2413, 33.3765, 68.5718



15.9395, 15.3306, 13.4038



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.



50.7632, 37.4216, 13.9991



46.7904, 31.2149, 7.3132



66.2709, 68.4372, 19.1683



18.3558, 18.6797, 18.7824



22.4849, 12.9811, 1.3205



2.2687, 1.4227, 0.1550

Inverse Universe

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



46.7237, 58.4517, 103.4268



42.3062, 53.3031, 102.6665



30.5940, 26.1922, 98.0502



18.1718, 19.7152, 23.0976



19.7581, 24.4259, 53.1079



2.0070, 2.5447, 5.1987

Previews

White Background



This preview shows how the XYZ color 50.7623, 37.4196, 13.9984 looks on a white background.

Color Contrast Check

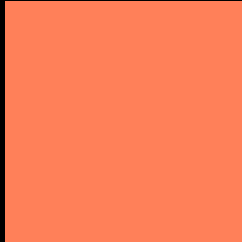
Large Text (above 18pt) WCAG AA × Fail

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 50.7623, 37.4196, 13.9984 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 50.7623, 37.4196, 13.9984

Background



This preview shows how black text looks on a background with the XYZ color 50.7623, 37.4196, 13.9984.



This preview shows how white text looks on a background with the XYZ color 50.7623, 37.4196,

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

50.7623, 37.4196, 13.9984

Protanopia

34.6758, 37.5729, 17.9951

Deuteranopia

38.2469, 37.4350, 13.3935



Tritanopia

52.6125, 37.3412, 26.2644

Trichromacy



Original Color

50.7623, 37.4196, 13.9984

Protanomaly

39.1180, 36.5849, 16.3091

Deuteranomaly

42.0428, 36.7432, 13.4706

Tritanomaly

51.7260, 37.1882, 20.9748

Monochromacy



Original Color

50.7623, 37.4196, 13.9984

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

38.0445, 35.2977, 27.7297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7623, 37.4196, 13.9984 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, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 89)  
}
```

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, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 89) }
```

Border

The CSS property to change the border of an element to XYZ 50.7623, 37.4196, 13.9984 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, 128, 89) }
```


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

```
.border{ border-color:rgb(255, 128, 89) }
```

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

Here you see how a box with a 4 pixel rgb(255, 128, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7623, 37.4196, 13.9984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 89) }
```

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

```
.background{ background-color: rgb(255,  
128, 89) }
```

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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