

Converting Colors

XYZ(56.5066, 40.3547, 12.2504)

Have a look what the booklet for
XYZ(56.5066, 40.3547, 12.2504)
contains.

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Color

**XYZ(50.3705, 37.2629,
11.9348)**

Conversions

Conversions Part 1

Format	Color
Hex	FF804F
RGB	255, 128, 79
RGB Percent	100%, 50%, 31%
CMY	0.0000, 0.4980, 0.6902
CMYK	0.00, 0.50, 0.69, 0.00
HSL	17°, 100%, 65%
HSV	17°, 69%, 100%
XYZ	50.3705, 37.2629, 11.9348
YIQ	160.3870, 91.4210, 11.6850

Conversions

Conversions Part 2

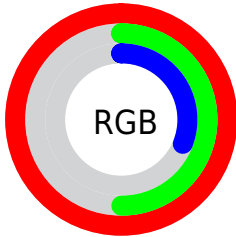
Format	Color
R_{YB}	255, 147, 79
Decimal	16744527
CIE Lab	67.47, 44.82, 48.20
CIE LCh	67, 65.823, 47.083
Yxy	37.2629, 0.5059, 0.3742
Android (android.graphics.Color)	4294934607 (0xFFFF804F)
YUV	160.3870, -40.1238, 82.9756
Hunter-Lab	61.0433, 40.4651, 31.1383

Details

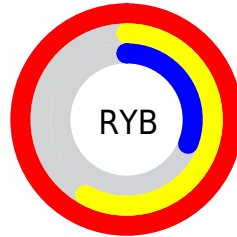
The XYZ color **50.3705, 37.2629, 11.9348** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **43.3441, 53.0214, 102.5569**, and the grayscale version is **33.7435, 35.5008, 38.6604**.

A 20% lighter version of the original color is **62.2028, 56.7387, 28.7923**, and **24.4886, 16.3324, 3.0901** is the 20% darker color. If you saturate the color by 10%, you get **47.4278, 32.5892, 7.2196**, and if you desaturate by 10%, it is **54.1059, 42.9533, 18.6698**.

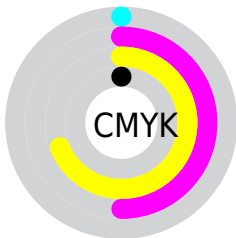
Distribution



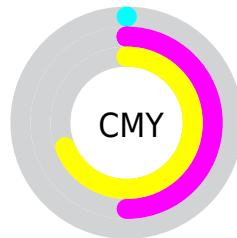
- Red (100%)
- Green (50%)
- Blue (31%)



- Red (100%)
- Yellow (58%)
- Blue (31%)



- Cyan (0%)
- Magenta (50%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3705, 37.2629, 11.9348 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 50.3705, 37.2629, 11.9348 by changing the saturation by 10% instead.


 50.3705, 37.2629,
11.9348


 50.3705, 37.2629,
11.9348

378.5411,
334.4473, 214.9357

 35.9269, 25.4111,
6.5773


 89.9121, 70.9769,
30.0389


 24.5476, 16.3836,
3.1248


 115.7408, 93.6080,
43.6226


 15.8672, 9.7960,
1.1587


 146.0953,
120.6009, 60.7855

 9.5205, 5.2639,
0.0000

 181.3408,
152.3401, 81.9460

 5.1420, 2.4029,
0.0000

 221.8429,
189.2099, 107.5227

 2.3664, 0.8274,
0.0000

267.9667,

 0.8283, 0.0000,

231.5948, 137.9343

0.0000

320.0776,
279.8791, 173.5991

■ 0.0000, 0.0000,
0.0000

■ 50.3705, 37.2629,
11.9348

■ 50.3705, 37.2629,
11.9348

■ 47.4278, 32.5892,
7.2196

■ 54.1059, 42.9533,
18.6698

■ 45.2084, 28.8617,
4.2869

■ 58.6895, 49.7124,
27.6218


■ 43.6235, 26.0055,
2.7922

■ 64.1745, 57.5956,
38.9663

■ 43.4933, 25.7669,
2.6812

■ 70.6086, 66.6526,
52.8606

■ 78.0360, 76.9299,
69.4484

 86.4981, 88.4714,
88.8627

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.



57.4361, 37.2629, 26.3183



50.3705, 37.2629, 11.9348



39.9424, 37.2629, 6.9068

Triad

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



50.3705, 37.2629, 11.9348



19.6487, 37.2629, 29.3580



41.4398, 37.2629, 120.4389

Complementary

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



50.3705, 37.2629, 11.9348



43.3441, 53.0214, 102.5569

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.



31.2475, 37.2629, 122.6156



50.3705, 37.2629, 11.9348



19.8967, 37.2629, 59.2219

Square

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



50.3705, 37.2629, 11.9348



23.0040, 37.2629, 13.2460



23.7617, 37.2629, 96.5215



51.6449, 37.2629, 91.5105

Rectangle

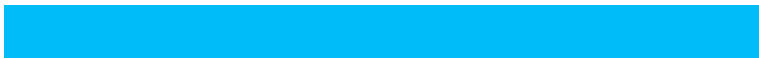
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.3705, 37.2629, 11.9348



33.0740, 37.2629, 6.6090



23.7617, 37.2629, 96.5215



37.8687, 37.2629, 124.6835

Sweetspot

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



50.3714, 37.2649, 11.9354



76.4841, 74.7952, 65.9421



55.4292, 31.4094, 62.8587



15.9220, 15.3899, 13.1074



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.



50.3714, 37.2649, 11.9354



46.4618, 30.9957, 5.8533



66.6808, 69.8838, 17.3719



18.4210, 18.8103, 18.8042



22.8335, 13.6782, 1.4367



2.3104, 1.5062, 0.1690

Inverse Universe

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



43.3441, 53.0214, 102.5569



38.8158, 47.2509, 101.6823



27.9991, 22.3316, 97.4419



18.1022, 19.5760, 23.0744



18.5195, 21.9485, 52.6950



1.8953, 2.3212, 5.1614

Previews

White Background



This preview shows how the XYZ color 50.3705, 37.2629, 11.9348 looks on a white background.

Color Contrast Check

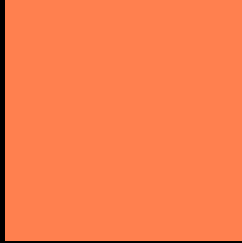
Large Text (above 18pt) WCAG AA × Fail

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 50.3705, 37.2629, 11.9348 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 50.3705, 37.2629, 11.9348

Background



This preview shows how black text looks on a background with the XYZ color 50.3705, 37.2629, 11.9348.



This preview shows how white text looks on a background with the XYZ color 50.3705, 37.2629,

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

50.3705, 37.2629, 11.9348

Protanopia

34.3995, 37.4894, 15.3206

Deuteranopia

38.1285, 37.4192, 11.3439



Tritanopia

52.6125, 37.3412, 26.2644

Trichromacy



Original Color

50.3705, 37.2629, 11.9348

Protanomaly

38.9610, 36.5545, 14.0191

Deuteranomaly

41.9803, 36.7537, 11.5382

Tritanomaly

51.5543, 37.1195, 20.0704

Monochromacy



Original Color

50.3705, 37.2629, 11.9348

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.1923, 34.4206, 26.1563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3705, 37.2629, 11.9348 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 79) }
```

Border

The CSS property to change the border of an element to XYZ 50.3705, 37.2629, 11.9348 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, 79) }
```


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

```
.border{ border-color:rgb(255, 128, 79) }
```

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, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3705, 37.2629, 11.9348 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, 79) }
```

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

```
.background{ background-color: rgb(255,  
128, 79) }
```

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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