

Converting Colors

XYZ(57.6436, 40.5706, 15.5713)

Have a look what the booklet for
XYZ(57.6436, 40.5706, 15.5713)
contains.

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Color

**XYZ(50.7664, 37.0079,
15.2940)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7E5F
RGB	255, 126, 95
RGB Percent	100%, 49%, 37%
CMY	0.0000, 0.5059, 0.6274
CMYK	0.00, 0.51, 0.63, 0.00
HSL	12°, 100%, 69%
HSV	12°, 63%, 100%
XYZ	50.7664, 37.0079, 15.2940
YIQ	161.0370, 86.8350, 17.7070

Conversions

Conversions Part 2

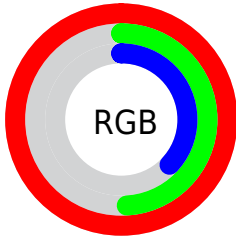
Format	Color
R _Y B	255, 133, 95
Decimal	16744031
CIE Lab	67.28, 46.70, 39.63
CIE LCh	67, 61.248, 40.316
Yxy	37.0079, 0.4926, 0.3591
Android (android.graphics.Color)	4294934111 (0xFFFF7E5F)
YUV	161.0370, -32.5562, 82.4056
Hunter-Lab	60.8341, 42.4995, 27.6781

Details

The XYZ color **50.7664, 37.0079, 15.2940** 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 **49.4230, 62.9602, 104.1549**, and the grayscale version is **34.0129, 35.7842, 38.9690**.

A 20% lighter version of the original color is **62.9522, 56.3831, 34.7592**, and **24.8880, 16.3078, 4.5253** is the 20% darker color. If you saturate the color by 10%, you get **47.4271, 31.8908, 9.3680**, and if you desaturate by 10%, it is **55.0268, 43.3609, 23.3984**.

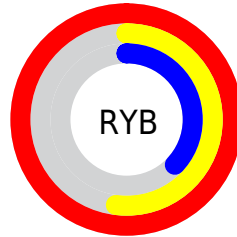
Distribution



Red (100%)

Green (49%)

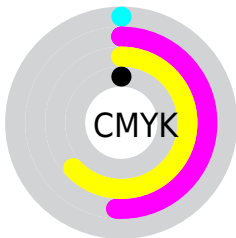
Blue (37%)



Red (100%)

Yellow (52%)

Blue (37%)

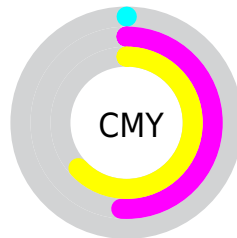


Cyan (0%)

Magenta (51%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7664, 37.0079, 15.2940 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 50.7664, 37.0079, 15.2940 by changing the saturation by 10% instead.


 50.7664, 37.0079,
15.2940


 50.7664, 37.0079,
15.2940

380.0581,
333.3447, 236.8407

 36.2430, 25.2136,
8.8771


 90.4944, 70.5849,
36.1177


 24.7929, 16.2363,
4.5654


 116.4298, 93.1365,
51.3615

 16.0507, 9.6915,
1.9404


 146.8998,
120.0425, 70.3848

 9.6511, 5.1949,
0.5182

 182.2700,
151.6875, 93.6059

 5.2288, 2.3621,
0.0000

222.9055,
188.4559, 121.4436

 2.4182, 0.8063,
0.0000

269.1718,

 0.8542, 0.0000,

230.7319, 154.3162

0.0000

321.4342,
278.9001, 192.6424

■ 0.0000, 0.0000,
0.0000

■ 50.7664, 37.0079,
15.2940

■ 50.7664, 37.0079,
15.2940

■ 47.4271, 31.8908,
9.3680

■ 55.0268, 43.3609,
23.3984

■ 44.9344, 27.9217,
5.4041

■ 60.2697, 51.0183,
33.8655

■ 43.2054, 25.0097,
3.1442

■ 66.5538, 60.0503,
46.8620

■ 42.3556, 23.4916,
2.3019

■ 73.9325, 70.5204,
62.5390

■ 82.4556, 82.4881,
81.0357

92.1694, 96.0096,
102.4815

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.



56.0279, 37.0079, 31.7492



50.7664, 37.0079, 15.2940



41.5946, 37.0079, 8.6337

Triad

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



50.7664, 37.0079, 15.2940



20.8002, 37.0079, 25.3029



38.4984, 37.0079, 115.2911

Complementary

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



50.7664, 37.0079, 15.2940



49.4230, 62.9602, 104.1549

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.



29.4522, 37.0079, 110.9536



50.7664, 37.0079, 15.2940



20.2686, 37.0079, 50.2519

Square

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



50.7664, 37.0079, 15.2940



24.7647, 37.0079, 12.3798



23.1553, 37.0079, 83.7101



48.1568, 37.0079, 93.7849

Rectangle

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



50.7664, 37.0079, 15.2940



35.0758, 37.0079, 7.5993



23.1553, 37.0079, 83.7101



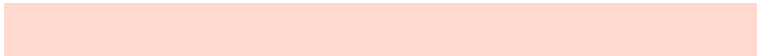
35.2742, 37.0079, 116.9774

Sweetspot

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



50.7673, 37.0099, 15.2946



76.9879, 74.8237, 69.1282



59.0138, 34.9172, 75.3411



15.9760, 15.3077, 13.7113



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.



50.7673, 37.0099, 15.2946



46.7939, 30.8985, 8.3110



64.9776, 65.4305, 20.0314



18.2943, 18.5567, 18.7619



22.2123, 12.4359, 1.2296



2.2339, 1.3532, 0.1435

Inverse Universe

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



49.4230, 62.9602, 104.1549



45.2031, 58.4116, 103.4999



32.9970, 30.1083, 98.6796



18.2381, 19.8479, 23.1197



21.0180, 26.9455, 53.5278



2.1195, 2.7697, 5.2362

Previews

White Background



This preview shows how the XYZ color 50.7664, 37.0079, 15.2940 looks on a white background.

Color Contrast Check

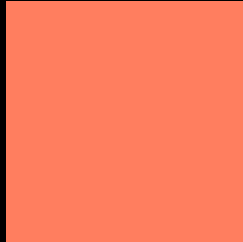
Large Text (above 18pt) WCAG AA × Fail

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 50.7664, 37.0079, 15.2940 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 50.7664, 37.0079, 15.2940

Background



This preview shows how black text looks on a background with the XYZ color 50.7664, 37.0079, 15.2940.



This preview shows how white text looks on a background with the XYZ color 50.7664, 37.0079,

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

50.7664, 37.0079, 15.2940

Protanopia

34.3959, 37.1200, 19.8200

Deuteranopia

37.9475, 37.2527, 14.6416



Tritanopia

52.4197, 37.0646, 25.8641

Trichromacy



Original Color

50.7664, 37.0079, 15.2940

Protanomaly

38.8586, 35.9340, 17.9846

Deuteranomaly

41.9860, 36.6853, 14.7656

Tritanomaly

51.7177, 36.9833, 21.5522

Monochromacy



Original Color

50.7664, 37.0079, 15.2940

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.6109, 34.5881, 28.3608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7664, 37.0079, 15.2940 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, 126, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 95)  
}
```

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, 126, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 95) }
```

Border

The CSS property to change the border of an element to XYZ 50.7664, 37.0079, 15.2940 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, 126, 95) }
```


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

```
.border{ border-color:rgb(255, 126, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7664, 37.0079, 15.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 95) }
```

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

```
.background{ background-color: rgb(255,  
126, 95) }
```

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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