

Converting Colors

XYZ(59.7693, 41.9516, 10.8861)

Have a look what the booklet for
XYZ(59.7693, 41.9516, 10.8861)
contains.

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Color

**XYZ(49.9667, 36.8937,
10.4489)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7F47
RGB	255, 127, 71
RGB Percent	100%, 50%, 28%
CMY	0.0000, 0.5019, 0.7216
CMYK	0.00, 0.50, 0.72, 0.00
HSL	18°, 100%, 64%
HSV	18°, 72%, 100%
XYZ	49.9667, 36.8937, 10.4489
YIQ	158.8880, 94.2640, 9.7200

Conversions

Conversions Part 2

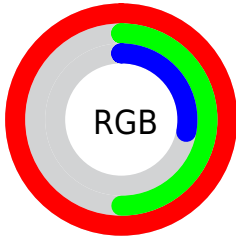
Format	Color
RYB	255, 152, 71
Decimal	16744263
CIELab	67.20, 44.93, 51.88
CIELCh	67, 68.629, 49.106
Yxy	36.8937, 0.5135, 0.3791
Android (android.graphics.Color)	4294934343 (0xFFFF7F47)
YUV	158.8880, -43.3288, 84.2902
Hunter-Lab	60.7402, 40.5441, 32.3187

Details

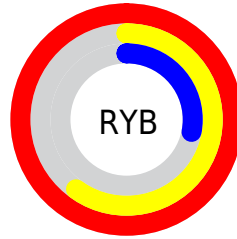
The XYZ color **49.9667, 36.8937, 10.4489** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.0703, 49.4030, 101.9782**, and the grayscale version is **33.0663, 34.7883, 37.8844**.

A 20% lighter version of the original color is **61.4808, 56.1210, 26.0044**, and **24.3224, 16.1582, 2.5464** is the 20% darker color. If you saturate the color by 10%, you get **47.2206, 32.4482, 6.3079**, and if you desaturate by 10%, it is **53.4609, 42.2870, 16.5323**.

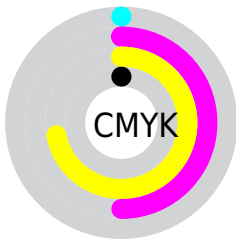
Distribution



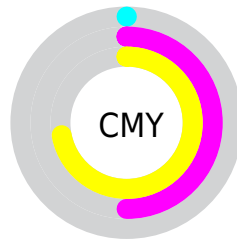
- Red (100%)
- Green (50%)
- Blue (28%)



- Red (100%)
- Yellow (60%)
- Blue (28%)



- Cyan (0%)
- Magenta (50%)
- Yellow (72%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9667, 36.8937, 10.4489 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 49.9667, 36.8937, 10.4489 by changing the saturation by 10% instead.

 49.9667, 36.8937,
10.4489


 49.9667, 36.8937,
10.4489


376.9898,
332.8501, 204.4464


 35.6046, 25.1252,
5.5881


 89.3177, 70.4093,
27.2574


 24.2977, 16.1704,
2.5316


 115.0372, 92.9251,
40.0422


 15.6805, 9.6448,
0.8568


 145.2734,
119.7922, 56.3054

 9.3878, 5.1641,
0.0000

 180.3914,
151.3949, 76.4655

 5.0541, 2.3439,
0.0000

 220.7568,
188.1177, 100.9412

 2.3141, 0.7968,
0.0000

266.7347,

 0.8019, 0.0000,

230.3449, 130.1508

0.0000

318.6906,
278.4609, 164.5131

■ 0.0000, 0.0000,
0.0000

■ 49.9667, 36.8937,
10.4489

■ 49.9667, 36.8937,
10.4489

■ 47.2206, 32.4482,
6.3079

■ 53.4609, 42.2870,
16.5323

■ 45.1527, 28.8839,
3.8572


■ 57.7585, 48.6767,
24.7642


■ 43.9371, 26.6546,
2.8291

■ 62.9118, 56.1146,
35.3259

■ 68.9677, 64.6472,
48.3791

■ 75.9694, 74.3177,
64.0705

 83.9571, 85.1671,
82.5358

 92.9687, 97.2343,
103.9011

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



57.7373, 36.8937, 24.1000



49.9667, 36.8937, 10.4489



39.0107, 36.8937, 5.9868

Triad

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



49.9667, 36.8937, 10.4489



18.7792, 36.8937, 30.2293



42.0773, 36.8937, 122.9950

Complementary

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



49.9667, 36.8937, 10.4489



41.0703, 49.4030, 101.9782

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.



31.3973, 36.8937, 127.5558



49.9667, 36.8937, 10.4489



19.2756, 36.8937, 62.1525

Square

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



49.9667, 36.8937, 10.4489



21.9433, 36.8937, 13.0128



23.4686, 36.8937, 101.4185



52.5926, 36.8937, 90.9751

Rectangle

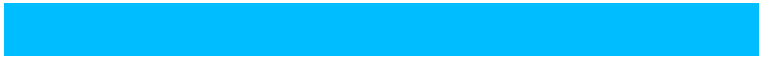
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9667, 36.8937, 10.4489



31.9758, 36.8937, 5.8994



23.4686, 36.8937, 101.4185



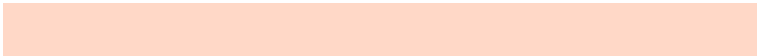
38.3499, 36.8937, 128.2323

Sweetspot

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



49.9675, 36.8957, 10.4495



76.0870, 74.4784, 64.3375



53.8950, 29.9273, 57.4571



15.8580, 15.3545, 12.8001



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.



49.9675, 36.8957, 10.4495



46.1391, 30.6157, 4.9275



67.5003, 71.9612, 16.2938



18.4602, 18.8885, 18.8172



23.0727, 14.1566, 1.5164



2.3379, 1.5612, 0.1781

Inverse Universe

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



41.0703, 49.4030, 101.9782



36.5525, 43.2869, 101.0364



25.9902, 19.2429, 96.9515



18.0608, 19.4933, 23.0606



17.8239, 20.5575, 52.4632



1.8319, 2.1945, 5.1403

Previews

White Background



This preview shows how the XYZ color 49.9667, 36.8937, 10.4489 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 49.9667, 36.8937, 10.4489 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 49.9667, 36.8937, 10.4489

Background



This preview shows how black text looks on a background with the XYZ color 49.9667, 36.8937, 10.4489.



This preview shows how white text looks on a background with the XYZ color 49.9667, 36.8937,

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

49.9667, 36.8937, 10.4489

Protanopia

33.8928, 36.9992, 13.5388

Deuteranopia

37.7157, 36.9845, 10.0014



Tritanopia

52.2288, 36.7908, 25.4677

Trichromacy



Original Color

49.9667, 36.8937, 10.4489

Protanomaly

38.4903, 36.1076, 12.3379

Deuteranomaly

41.5699, 36.3440, 10.1343

Tritanomaly

51.2080, 36.7794, 18.8682

Monochromacy



Original Color

49.9667, 36.8937, 10.4489

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.5126, 33.8691, 24.6916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9667, 36.8937, 10.4489 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, 127, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 71)  
}
```

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, 127, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 71) }
```

Border

The CSS property to change the border of an element to XYZ 49.9667, 36.8937, 10.4489 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, 127, 71) }
```


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

```
.border{ border-color:rgb(255, 127, 71) }
```

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

Here you see how a box with a 4 pixel rgb(255, 127, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9667, 36.8937, 10.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 71) }
```

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

```
.background{ background-color: rgb(255,  
127, 71) }
```

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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