

Converting Colors

XYZ(55.1854, 36.5736, 12.3696)

Have a look what the booklet for
XYZ(55.1854, 36.5736, 12.3696)
contains.

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Color

**XYZ(48.3773, 33.0364,
12.0105)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6E53
RGB	255, 110, 83
RGB Percent	100%, 43%, 33%
CMY	0.0000, 0.5686, 0.6745
CMYK	0.00, 0.57, 0.67, 0.00
HSL	9°, 100%, 66%
HSV	9°, 67%, 100%
XYZ	48.3773, 33.0364, 12.0105
YIQ	150.2770, 95.0870, 22.3430

Conversions

Conversions Part 2

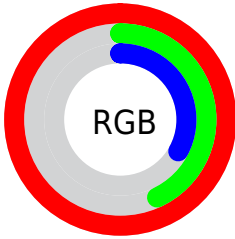
Format	Color
R _Y B	255, 115, 83
Decimal	16739923
CIE Lab	64.19, 53.56, 42.34
CIE LCh	64, 68.279, 38.326
Yxy	33.0364, 0.5178, 0.3536
Android (android.graphics.Color)	4294930003 (0xFFFF6E53)
YUV	150.2770, -33.1676, 91.8421
Hunter-Lab	57.4773, 49.6540, 27.8448

Details

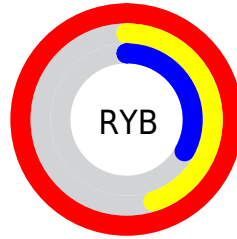
The XYZ color **48.3773, 33.0364, 12.0105** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **49.3584, 64.5412, 104.4635**, and the grayscale version is **29.2166, 30.7381, 33.4738**.

A 20% lighter version of the original color is **58.9288, 49.8637, 28.7091**, and **23.3758, 13.9722, 3.1339** is the 20% darker color. If you saturate the color by 10%, you get **45.5229, 28.6243, 7.0625**, and if you desaturate by 10%, it is **52.1576, 38.7218, 19.0526**.

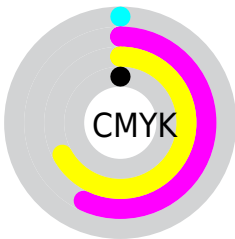
Distribution



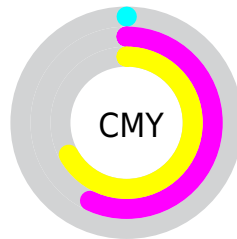
- Red (100%)
- Green (43%)
- Blue (33%)



- Red (100%)
- Yellow (45%)
- Blue (33%)



- Cyan (0%)
- Magenta (57%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (57%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3773, 33.0364, 12.0105 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 48.3773, 33.0364, 12.0105 by changing the saturation by 10% instead.


 48.3773, 33.0364,
12.0105


 48.3773, 33.0364,
12.0105


370.8435,
315.8137, 215.4552


 34.3383, 22.1543,
6.6282


 86.9722, 64.4324,
30.1789


 23.3177, 13.9703,
3.1558


 112.2588, 85.7150,
43.8021


 14.9503, 8.1000,
1.1747


 142.0253,
111.2334, 61.0093

 8.8706, 4.1590,
0.0000

 176.6370,
141.3718, 82.2192

 4.7133, 1.7629,
0.0000

 216.4593,
176.5146, 107.8501

 2.1131, 0.4639,
0.0000

261.8576,

 0.6963, 0.0000,

217.0463, 138.3208

0.0000

313.1972,
263.3512, 174.0496

■ 0.0000, 0.0000,
0.0000

■ 48.3773, 33.0364,
12.0105

■ 48.3773, 33.0364,
12.0105

■ 45.5229, 28.6243,
7.0625

■ 52.1576, 38.7218,
19.0526

■ 43.5087, 25.3805,
3.9724

■ 56.9343, 45.7638,
28.3872

■ 42.2338, 23.1909,
2.4370

■ 62.7735, 54.2448,
40.1910

■ 42.0000, 22.7802,
2.1834

■ 69.7350, 64.2391,
54.6234

■ 77.8740, 75.8158,
71.8299

87.2421, 89.0397,
91.9457

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.



53.6454, 33.0364, 28.7928



48.3773, 33.0364, 12.0105



38.7862, 33.0364, 5.6978

Triad

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



48.3773, 33.0364, 12.0105



17.0877, 33.0364, 19.6602



34.1724, 33.0364, 118.6653

Complementary

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



48.3773, 33.0364, 12.0105



49.3584, 64.5412, 104.4635

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.



25.0168, 33.0364, 111.7011



48.3773, 33.0364, 12.0105



16.3523, 33.0364, 44.2529

Square

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



48.3773, 33.0364, 12.0105



21.2164, 33.0364, 8.2687



18.9474, 33.0364, 80.1737



44.4110, 33.0364, 96.0678

Rectangle

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



48.3773, 33.0364, 12.0105



31.9469, 33.0364, 4.6703



18.9474, 33.0364, 80.1737



30.8596, 33.0364, 119.8635

Sweetspot

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



48.3781, 33.0382, 12.0111



75.6846, 72.7107, 67.1723



58.5039, 33.1149, 77.5833



15.7025, 14.8566, 13.3248



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.



48.3781, 33.0382, 12.0111



44.7166, 27.3447, 5.7665



62.2715, 60.8251, 16.6422



18.2396, 18.4474, 18.7437



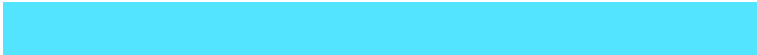
22.0138, 12.0389, 1.1635



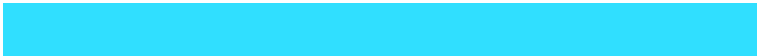
2.2068, 1.2989, 0.1344

Inverse Universe

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



49.3584, 64.5412, 104.4635



45.5623, 60.4035, 103.8654



31.4699, 28.7642, 98.5007



18.2977, 19.9669, 23.1396



22.2147, 29.3390, 53.9267



2.2254, 2.9815, 5.2715

Previews

White Background



This preview shows how the XYZ color 48.3773, 33.0364, 12.0105 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 48.3773, 33.0364, 12.0105 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 48.3773, 33.0364, 12.0105

Background



This preview shows how black text looks on a background with the XYZ color 48.3773, 33.0364, 12.0105.



This preview shows how white text looks on a background with the XYZ color 48.3773, 33.0364,

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

48.3773, 33.0364, 12.0105

Protanopia

30.7182, 33.2238, 16.5982

Deuteranopia

33.5981, 32.8943, 11.2350



Tritanopia

49.5350, 32.9903, 19.6766

Trichromacy



Original Color

48.3773, 33.0364, 12.0105

Protanomaly

35.2958, 31.6731, 14.6091

Deuteranomaly

37.9246, 32.0473, 11.3946

Tritanomaly

49.0507, 32.9644, 16.6095

Monochromacy



Original Color

48.3773, 33.0364, 12.0105

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.1689, 29.5257, 23.6895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3773, 33.0364, 12.0105 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, 110, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 83)  
}
```

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, 110, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 83) }
```

Border

The CSS property to change the border of an element to XYZ 48.3773, 33.0364, 12.0105 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, 110, 83) }
```


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

```
.border{ border-color:rgb(255, 110, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3773, 33.0364, 12.0105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 83) }
```

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

```
.background{ background-color: rgb(255,  
110, 83) }
```

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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