

Converting Colors

XYZ(48.7323, 34.0472, 10.1108)

Have a look what the booklet for
XYZ(48.7323, 34.0472, 10.1108)
contains.

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Color

**XYZ(48.5404, 33.9893,
10.1331)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7348
RGB	255, 115, 72
RGB Percent	100%, 45%, 28%
CMY	0.0000, 0.5490, 0.7176
CMYK	0.00, 0.55, 0.72, 0.00
HSL	14°, 100%, 64%
HSV	14°, 72%, 100%
XYZ	48.5404, 33.9893, 10.1331
YIQ	151.9580, 97.2430, 16.3070

Conversions

Conversions Part 2

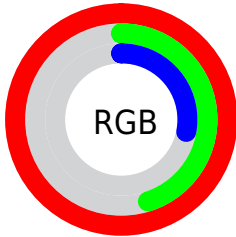
Format	Color
R_{YB}	255, 128, 72
Decimal	16741192
CIE _{Lab}	64.95, 50.72, 48.94
CIE _{LCh}	65, 70.484, 43.977
Yxy	33.9893, 0.5238, 0.3668
Android (android.graphics.Color)	4294931272 (0xFFFF7348)
YUV	151.9580, -39.4193, 90.3678
Hunter-Lab	58.3003, 46.5921, 30.5051

Details

The XYZ color **48.5404, 33.9893, 10.1331** 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 **44.2639, 55.6807, 103.0216**, and the grayscale version is **29.9634, 31.5238, 34.3295**.

A 20% lighter version of the original color is **59.1276, 51.4146, 25.2200**, and **23.3195, 14.4798, 2.4300** is the 20% darker color. If you saturate the color by 10%, you get **45.8803, 29.7362, 5.9584**, and if you desaturate by 10%, it is **52.0174, 39.3254, 16.2811**.

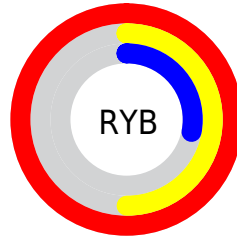
Distribution



Red (100%)

Green (45%)

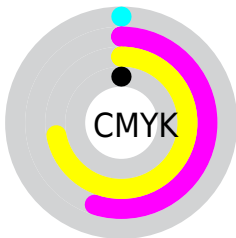
Blue (28%)



Red (100%)

Yellow (50%)

Blue (28%)

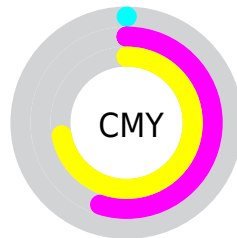


Cyan (0%)

Magenta (55%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5404, 33.9893, 10.1331 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 48.5404, 33.9893, 10.1331 by changing the saturation by 10% instead.


 48.5404, 33.9893,
10.1331


 48.5404, 33.9893,
10.1331


371.4772,
320.0843, 202.1386


 34.4681, 22.8854,
5.3805


 87.2133, 65.9170,
26.6573


 23.4180, 14.5089,
2.4096


 112.5446, 87.5096,
39.2660


 15.0248, 8.4755,
0.7917


 142.3595,
113.3672, 55.3304

 8.9233, 4.4007,
0.0000

 177.0236,
143.8743, 75.2693

 4.7479, 1.9001,
0.0000

 216.9020,
179.4151, 99.5009

 2.1333, 0.5484,
0.0000

262.3602,

 0.7072, 0.0000,

220.3741, 128.4440

0.0000

313.7634,
267.1357, 162.5171

■ 0.0000, 0.0000,
0.0000

■ 48.5404, 33.9893,
10.1331

■ 48.5404, 33.9893,
10.1331

■ 45.8803, 29.7362,
5.9584

■ 52.0174, 39.3254,
16.2811

■ 43.9591, 26.4821,
3.5042


■ 56.3743, 45.8086,
24.6100


■ 42.8518, 24.4841,
2.4674

■ 61.6701, 53.5046,
35.3024

■ 67.9579, 62.4721,
48.5215

■ 75.2865, 72.7660,
64.4155

 83.7014, 84.4381,
83.1214

 93.2454, 97.5370,
104.7667

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.



55.2698, 33.9893, 25.0510



48.5404, 33.9893, 10.1331



38.0161, 33.9893, 5.0442

Triad

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



48.5404, 33.9893, 10.1331



16.9063, 33.9893, 23.5902



37.2688, 33.9893, 122.4302

Complementary

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



48.5404, 33.9893, 10.1331



44.2639, 55.6807, 103.0216

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.



27.1980, 33.9893, 121.2839



48.5404, 33.9893, 10.1331



16.7891, 33.9893, 52.2698

Square

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



48.5404, 33.9893, 10.1331



20.5297, 33.9893, 9.5481



20.1667, 33.9893, 91.1862



47.8951, 33.9893, 93.7919

Rectangle

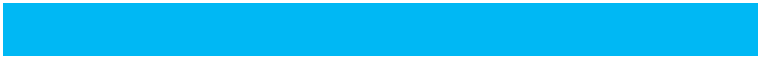
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



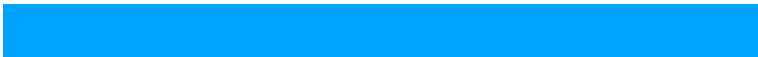
48.5404, 33.9893, 10.1331



30.9668, 33.9893, 4.5223



20.1667, 33.9893, 91.1862



33.6828, 33.9893, 125.8474

Sweetspot

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



48.5412, 33.9912, 10.1337



75.1018, 72.5080, 64.0091



55.4787, 30.6634, 65.4803



15.6284, 14.8954, 12.7236



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.



48.5412, 33.9912, 10.1337



44.9814, 28.2407, 4.7254



64.5289, 65.9666, 15.4629



18.3558, 18.6798, 18.7824



22.4851, 12.9815, 1.3206



2.2687, 1.4228, 0.1550

Inverse Universe

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



44.2639, 55.6807, 103.0216



40.2321, 50.5197, 102.2386



27.5356, 22.2241, 97.4455



18.1718, 19.7151, 23.0976



19.7572, 24.4240, 53.1076



2.0069, 2.5446, 5.1986

Previews

White Background



This preview shows how the XYZ color 48.5404, 33.9893, 10.1331 looks on a white background.

Color Contrast Check

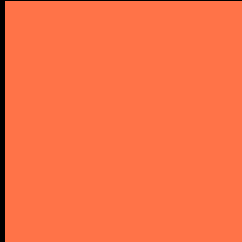
Large Text (above 18pt) WCAG AA × Fail

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 48.5404, 33.9893, 10.1331 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 48.5404, 33.9893, 10.1331

Background



This preview shows how black text looks on a background with the XYZ color 48.5404, 33.9893, 10.1331.



This preview shows how white text looks on a background with the XYZ color 48.5404, 33.9893,

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

48.5404, 33.9893, 10.1331

Protanopia

31.3621, 34.1243, 13.7378

Deuteranopia

34.5967, 33.9186, 9.5740



Tritanopia

50.1945, 33.9369, 21.0445

Trichromacy



Original Color

48.5404, 33.9893, 10.1331

Protanomaly

35.7868, 32.6366, 12.1979

Deuteranomaly

38.5741, 33.0483, 9.6561

Tritanomaly

49.3831, 33.7879, 16.2309

Monochromacy



Original Color

48.5404, 33.9893, 10.1331

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.7940, 30.7141, 22.8862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5404, 33.9893, 10.1331 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, 115, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 72)  
}
```

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, 115, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 72) }
```

Border

The CSS property to change the border of an element to XYZ 48.5404, 33.9893, 10.1331 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, 115, 72) }
```


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

```
.border{ border-color:rgb(255, 115, 72) }
```

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

Here you see how a box with a 4 pixel rgb(255, 115, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5404, 33.9893, 10.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 72) }
```

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

```
.background{ background-color: rgb(255,  
115, 72) }
```

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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