

Converting Colors

XYZ(47.6935, 33.3838, 6.4957)

Have a look what the booklet for
XYZ(47.6935, 33.3838, 6.4957)
contains.

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Color

**XYZ(47.7505, 33.4919,
6.5326)**

Conversions

Conversions Part 1

Format	Color
Hex	FF722E
RGB	255, 114, 46
RGB Percent	100%, 45%, 18%
CMY	0.0000, 0.5529, 0.8196
CMYK	0.00, 0.55, 0.82, 0.00
HSL	20°, 100%, 59%
HSV	20°, 82%, 100%
XYZ	47.7505, 33.4919, 6.5326
YIQ	148.4070, 105.8640, 8.7440

Conversions

Conversions Part 2

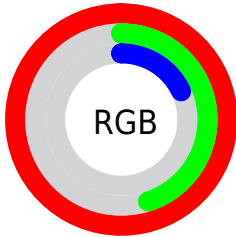
Format	Color
R _{YB}	255, 147, 46
Decimal	16740910
CIE Lab	64.56, 50.25, 60.60
CIE LCh	65, 78.722, 50.331
Yxy	33.4919, 0.5440, 0.3816
Android (android.graphics.Color)	4294930990 (0xFFFF722E)
YUV	148.4070, -50.4867, 93.4821
Hunter-Lab	57.8722, 46.0045, 33.8179

Details

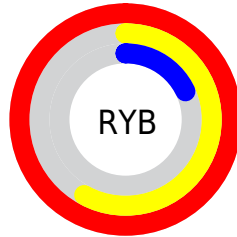
The XYZ color **47.7505, 33.4919, 6.5326** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **36.9454, 43.3383, 101.0250**, and the grayscale version is **28.4933, 29.9771, 32.6451**.

A 20% lighter version of the original color is **57.6326, 50.5178, 18.2686**, and **23.1017, 14.3081, 1.5441** is the 20% darker color. If you saturate the color by 10%, you get **45.6274, 29.8259, 4.0376**, and if you desaturate by 10%, it is **50.5380, 38.0107, 10.7192**.

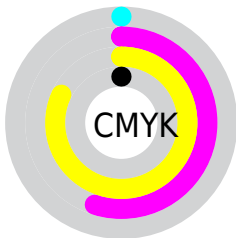
Distribution



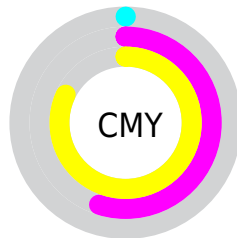
- Red (100%)
- Green (45%)
- Blue (18%)



- Red (100%)
- Yellow (58%)
- Blue (18%)



- Cyan (0%)
- Magenta (55%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7505, 33.4919, 6.5326 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 47.7505, 33.4919, 6.5326 by changing the saturation by 10% instead.


 47.7505, 33.4919,
6.5326


 47.7505, 33.4919,
6.5326

368.4014,
317.8605, 173.2023

 33.8398, 22.5035,
3.0976


 86.0448, 65.1427,
19.5232

 22.9328, 14.2274,
1.1447

 111.1590, 86.5740,
29.9158

 14.6643, 8.2790,
0.0000


 140.7384,
112.2551, 43.4647

 8.6689, 4.2740,
0.0000

 175.1485,
142.5703, 60.5884

 4.5812, 1.8280,
0.0000

 214.7544,
177.9040, 81.7055

 2.0359, 0.5045,
0.0000

 259.9217,

 0.6540, 0.0000,

218.6407, 107.2344

0.0000

311.0155,
265.1647, 137.5939

■ 0.0000, 0.0000,
0.0000

■ 47.7505, 33.4919,
6.5326

■ 47.7505, 33.4919,
6.5326

■ 45.6274, 29.8259,
4.0376

■ 50.5380, 38.0107,
10.7192

■ 44.3311, 27.4427,
2.9605

■ 54.0524, 43.4328,
16.8442

■ 58.3503, 49.8105,
25.1148

■ 63.4812, 57.1901,
35.7107

■ 69.4903, 65.6146,
48.7925

76.4191, 75.1242,
64.5065

84.3065, 85.7571,
82.9875

93.1889, 97.5493,
104.3610

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.



56.7570, 33.4919, 18.8869



47.7505, 33.4919, 6.5326



35.6095, 33.4919, 3.1333

Triad

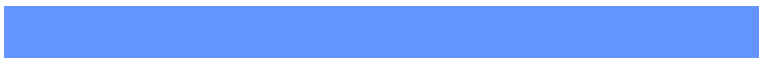
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.7505, 33.4919, 6.5326



14.9044, 33.4919, 27.0129



39.9638, 33.4919, 130.9868

Complementary

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



47.7505, 33.4919, 6.5326



36.9454, 43.3383, 101.0250

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.



28.3335, 33.4919, 138.1069



47.7505, 33.4919, 6.5326



15.5411, 33.4919, 62.5324

Square

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



47.7505, 33.4919, 6.5326



17.9064, 33.4919, 9.4790



19.9159, 33.4919, 108.0485



51.5764, 33.4919, 92.0967

Rectangle

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



47.7505, 33.4919, 6.5326



28.1059, 33.4919, 3.1576



19.9159, 33.4919, 108.0485



35.8760, 33.4919, 137.8044

Sweetspot

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



47.7512, 33.4938, 6.5332



74.2135, 72.1166, 59.4430



51.3822, 26.8802, 50.5202



15.3623, 14.7192, 11.5377



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.



47.7512, 33.4938, 6.5332



44.6291, 27.9935, 3.1975



66.4642, 70.9196, 12.7708



18.4920, 18.9521, 18.8278



23.2841, 14.5793, 1.5869



2.3616, 1.6086, 0.1860

Inverse Universe

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



36.9454, 43.3383, 101.0250



33.1888, 37.4029, 100.0780



22.3718, 14.1910, 96.1672



18.0274, 19.4265, 23.0495



17.2841, 19.4779, 52.2832



1.7824, 2.0955, 5.1238

Previews

White Background



This preview shows how the XYZ color 47.7505, 33.4919, 6.5326 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 47.7505, 33.4919, 6.5326 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 47.7505, 33.4919, 6.5326

Background



This preview shows how black text looks on a background with the XYZ color 47.7505, 33.4919, 6.5326.



This preview shows how white text looks on a background with the XYZ color 47.7505, 33.4919,

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

47.7505, 33.4919, 6.5326

Protanopia

30.4747, 33.5233, 8.7354

Deuteranopia

34.2969, 33.6049, 6.0453



Tritanopia

49.8610, 33.4582, 20.3531

Trichromacy



Original Color

47.7505, 33.4919, 6.5326

Protanomaly

35.0693, 32.1442, 7.7243

Deuteranomaly

38.3515, 32.8020, 6.0603

Tritanomaly

48.8128, 33.3842, 13.7686

Monochromacy



Original Color

47.7505, 33.4919, 6.5326

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.1669, 29.3208, 19.0030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7505, 33.4919, 6.5326 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, 114, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 46)  
}
```

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, 114, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 46) }
```

Border

The CSS property to change the border of an element to XYZ 47.7505, 33.4919, 6.5326 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, 114, 46) }
```


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

```
.border{ border-color:rgb(255, 114, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7505, 33.4919, 6.5326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 46) }
```

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

```
.background{ background-color: rgb(255,  
114, 46) }
```

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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