

Converting Colors

XYZ(47.5244, 32.8727, 6.9724)

Have a look what the booklet for
XYZ(47.5244, 32.8727, 6.9724)
contains.

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Color

**XYZ(47.5220, 32.8679,
6.9714)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6F33
RGB	255, 111, 51
RGB Percent	100%, 44%, 20%
CMY	0.0000, 0.5647, 0.8000
CMYK	0.00, 0.56, 0.80, 0.00
HSL	18°, 100%, 60%
HSV	18°, 80%, 100%
XYZ	47.5220, 32.8679, 6.9714
YIQ	147.2160, 105.0840, 11.8680

Conversions

Conversions Part 2

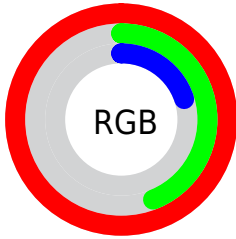
Format	Color
R_{YB}	255, 136, 51
Decimal	16740147
CIE _{Lab}	64.05, 51.79, 58.01
CIE _{LCh}	64, 77.765, 48.245
Yxy	32.8679, 0.5440, 0.3762
Android (android.graphics.Color)	4294930227 (0xFFFF6F33)
YUV	147.2160, -47.4345, 94.5266
Hunter-Lab	57.3305, 47.6325, 32.9217

Details

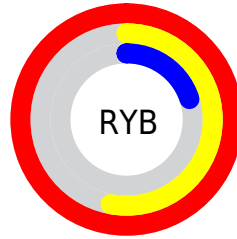
The XYZ color **47.5220, 32.8679, 6.9714** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **38.9285, 46.9504, 101.6177**, and the grayscale version is **27.9837, 29.4410, 32.0612**.

A 20% lighter version of the original color is **57.2745, 49.4917, 19.1045**, and **22.9000, 13.9047, 1.4769** is the 20% darker color. If you saturate the color by 10%, you get **45.3359, 29.1627, 4.1878**, and if you desaturate by 10%, it is **50.4131, 37.4913, 11.5088**.

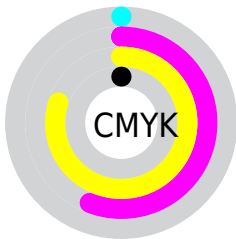
Distribution



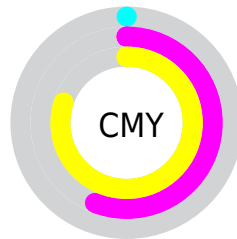
- Red (100%)
- Green (44%)
- Blue (20%)



- Red (100%)
- Yellow (53%)
- Blue (20%)



- Cyan (0%)
- Magenta (56%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5220, 32.8679, 6.9714 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 47.5220, 32.8679, 6.9714 by changing the saturation by 10% instead.


 47.5220, 32.8679,
6.9714


 47.5220, 32.8679,
6.9714

367.5085,
315.0541, 177.0478

 33.6582, 22.0253,
3.3660


 85.7063, 64.1692,
20.4275

 22.7928, 13.8755,
1.2844


 110.7575, 85.3967,
31.1154


 14.5604, 8.0341,
0.0490


 140.2685,
110.8546, 45.0012

 8.5958, 4.1168,
0.0000

 174.6047,
140.9273, 62.5034

 4.5335, 1.7391,
0.0000

 214.1314,
175.9992, 84.0407

 2.0081, 0.4488,
0.0000

 259.2141,

 0.6385, 0.0000,

216.4547, 110.0314

0.0000

310.2180,
262.6782, 140.8943

■ 0.0000, 0.0000,
0.0000

■ 47.5220, 32.8679,
6.9714

■ 47.5220, 32.8679,
6.9714

■ 45.3359, 29.1627,
4.1878

■ 50.4131, 37.4913,
11.5088

■ 43.7566, 26.2935,
2.7690

■ 54.0729, 43.0888,
18.0378

■ 43.7565, 26.2933,
2.7689

■ 58.5595, 49.7177,
26.7605

■ 63.9241, 57.4288,
37.8533

■ 70.2136, 66.2694,
51.4745

■ 77.4712, 76.2840,
67.7687

■ 85.7374, 87.5144,
86.8693

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.



55.8990, 32.8679, 19.9932



47.5220, 32.8679, 6.9714



35.7433, 32.8679, 3.2265

Triad

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



47.5220, 32.8679, 6.9714



14.7885, 32.8679, 24.8249



38.3304, 32.8679, 129.4589

Complementary

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



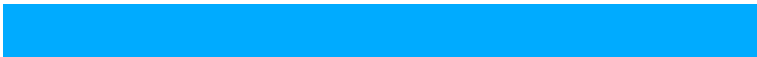
47.5220, 32.8679, 6.9714



38.9285, 46.9504, 101.6177

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.



27.1317, 32.8679, 133.6813



47.5220, 32.8679, 6.9714



15.1677, 32.8679, 58.2634

Square

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



47.5220, 32.8679, 6.9714



17.9840, 32.8679, 8.7288



19.1798, 32.8679, 102.5372



49.7940, 32.8679, 93.0744

Rectangle

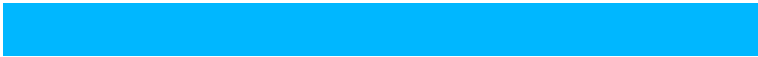
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



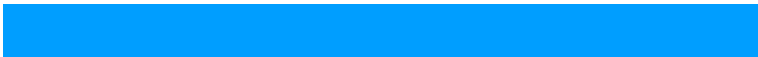
47.5220, 32.8679, 6.9714



28.3077, 32.8679, 3.0989



19.1798, 32.8679, 102.5372



34.3680, 32.8679, 135.2358

Sweetspot

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



47.5227, 32.8697, 6.9719



74.4493, 72.1343, 60.9207



52.5246, 27.6681, 55.5156



15.3877, 14.6832, 11.8136



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.



47.5227, 32.8697, 6.9719



44.3290, 27.3486, 3.2353



65.0819, 67.9880, 12.8250



18.4447, 18.8576, 18.8121



22.9755, 13.9622, 1.4840



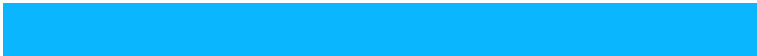
2.3268, 1.5390, 0.1744

Inverse Universe

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



38.9285, 46.9504, 101.6177



35.1092, 41.1488, 100.6998



23.5256, 16.1445, 96.4834



18.0771, 19.5259, 23.0661



18.0944, 21.0984, 52.5533



1.8566, 2.2439, 5.1485

Previews

White Background



This preview shows how the XYZ color 47.5220, 32.8679, 6.9714 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 47.5220, 32.8679, 6.9714 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 47.5220, 32.8679, 6.9714

Background



This preview shows how black text looks on a background with the XYZ color 47.5220, 32.8679, 6.9714.



This preview shows how white text looks on a background with the XYZ color 47.5220, 32.8679,

6.9714.

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

47.5220, 32.8679, 6.9714

Protanopia

30.0193, 33.0201, 9.4939

Deuteranopia

33.7211, 33.0621, 6.5238



Tritanopia

49.4783, 32.9676, 19.3784

Trichromacy



Original Color

47.5220, 32.8679, 6.9714

Protanomaly

34.7961, 31.7684, 8.4356

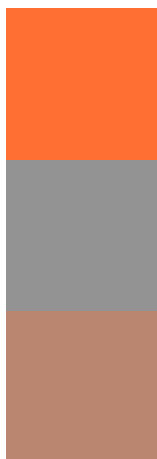
Deuteranomaly

37.7153, 32.2541, 6.5233

Tritanomaly

48.4480, 32.7233, 13.4356

Monochromacy



Original Color

47.5220, 32.8679, 6.9714

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.6994, 28.6591, 19.1903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5220, 32.8679, 6.9714 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, 111, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 51)  
}
```

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, 111, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 51) }
```

Border

The CSS property to change the border of an element to XYZ 47.5220, 32.8679, 6.9714 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, 111, 51) }
```


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

```
.border{ border-color:rgb(255, 111, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5220, 32.8679, 6.9714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 51) }
```

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

```
.background{ background-color: rgb(255,  
111, 51) }
```

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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