

# Converting Colors

XYZ(47.5073, 33.7595, 4.1272)

Have a look what the booklet for  
XYZ(47.5073, 33.7595, 4.1272)  
contains.

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# **Color**

**XYZ(47.5073, 33.7595,  
4.1272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7404
RGB	255, 116, 4
RGB Percent	100%, 45%, 2%
CMY	0.0000, 0.5451, 0.9843
CMYK	0.00, 0.55, 0.98, 0.00
HSL	27°, 100%, 51%
HSV	27°, 98%, 100%
XYZ	47.5073, 33.7595, 4.1272
YIQ	144.7930, 118.7960, -5.3640

# Conversions

## Conversions Part 2

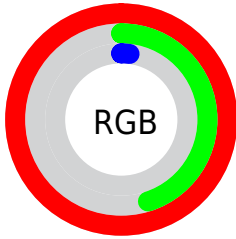
Format	Color
R <sub>Y</sub> B	255, 206, 4
Decimal	16741380
CIE Lab	64.77, 48.65, 72.08
CIE LCh	65, 86.961, 55.980
Yxy	33.7595, 0.5563, 0.3953
Android (android.graphics.Color)	4294931460 (0xFFFF7404)
YUV	144.7930, -69.4109, 96.6515
Hunter-Lab	58.1029, 44.2687, 36.4605

# Details

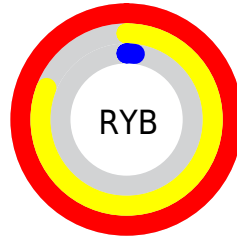
The XYZ color **47.5073, 33.7595, 4.1272** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.9223, 26.8904, 98.3257**, and the grayscale version is **27.0702, 28.4800, 31.0147**.

A 20% lighter version of the original color is **56.9726, 50.8537, 12.9439**, and **23.0127, 14.5022, 1.5863** is the 20% darker color. If you saturate the color by 10%, you get **47.2332, 33.2469, 3.9278**, and if you desaturate by 10%, it is **49.4677, 37.3509, 5.7978**.

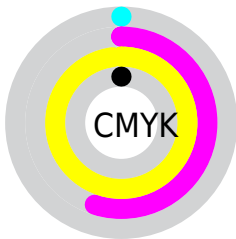
# Distribution



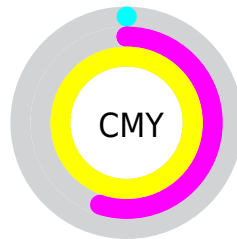
- Red (100%)
- Green (45%)
- Blue (2%)



- Red (100%)
- Yellow (81%)
- Blue (2%)



- Cyan (0%)
- Magenta (55%)
- Yellow (98%)
- Black (0%)



- Cyan (0%)
- Magenta (55%)
- Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5073, 33.7595, 4.1272 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 47.5073, 33.7595, 4.1272 by changing the saturation by 10% instead.



47.5073, 33.7595,  
4.1272

47.5073, 33.7595,  
4.1272

367.4510,  
319.0583, 149.6289

33.6465, 22.7089,  
1.6954

85.6845, 65.5595,  
14.3021

22.7838, 14.3787,  
0.3576

110.7316, 87.0777,  
22.8822

14.5537, 8.3845,  
0.0000

140.2382,  
112.8539, 34.3489

8.5911, 4.3420,  
0.0000

174.5697,  
143.2724, 49.1206

4.5304, 1.8666,  
0.0000

214.0913,  
178.7177, 67.6159


2.0063, 0.5282,  
0.0000

259.1685,


0.6375, 0.0000,


219.5742, 90.2534


0.0000

 310.1667,  
266.2263, 117.4515


 0.0000, 0.0000,  
0.0000


 47.5073, 33.7595,  
4.1272


 47.5073, 33.7595,  
4.1272


 47.2332, 33.2469,  
3.9278

 49.4677, 37.3509,  
5.7978

 51.9407, 41.5583,  
8.8995

 54.9969, 46.4273,  
13.7510

 58.6881, 51.9936,  
20.5805

 63.0594, 58.2893,  
29.5811

68.1510, 65.3442,  
40.9226

73.9995, 73.1858,  
54.7577

80.6387, 81.8401,  
71.2262

88.1002, 91.3319,  
90.4571

# Harmonies

## Analogous

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



58.9186, 33.7595, 14.0923



47.5073, 33.7595, 4.1272



33.8027, 33.7595, 1.9710

# Triad

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



47.5073, 33.7595, 4.1272



13.5821, 33.7595, 32.1391



43.8147, 33.7595, 139.9120

# Complementary

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



47.5073, 33.7595, 4.1272



27.9223, 26.8904, 98.3257

# 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.



30.4311, 33.7595, 157.1241



47.5073, 33.7595, 4.1272



14.9628, 33.7595, 75.9276

# Square

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



47.5073, 33.7595, 4.1272



15.9995, 33.7595, 10.1242



20.4274, 33.7595, 128.4705



56.4270, 33.7595, 90.3125



# Rectangle

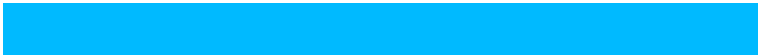
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.5073, 33.7595, 4.1272



25.9127, 33.7595, 2.3469



20.4274, 33.7595, 128.4705



39.1725, 33.7595, 150.6527

# Sweetspot

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



47.5080, 33.7614, 4.1278



73.0292, 71.9004, 52.4123



46.4899, 23.4295, 29.3628



15.0943, 14.6725, 9.9396



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.



47.5080, 33.7614, 4.1278



47.2336, 33.2471, 3.9279



71.9138, 82.5730, 12.2630



18.6766, 19.3215, 18.8894



24.8243, 17.6598, 2.1003



2.5241, 1.9335, 0.2402



# Inverse Universe

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



27.9223, 26.8904, 98.3257



27.6060, 26.3320, 98.2353



18.3635, 7.7727, 95.1394



17.8371, 19.0459, 22.9861



14.5761, 14.0617, 51.3805



1.5283, 1.5873, 5.0391



# Previews

## White Background



This preview shows how the XYZ color 47.5073, 33.7595, 4.1272 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 47.5073, 33.7595, 4.1272 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 47.5073, 33.7595, 4.1272**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5073, 33.7595, 4.1272.



This preview shows how white text looks on a background with the XYZ color 47.5073, 33.7595,



# 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

47.5073, 33.7595, 4.1272

### Protanopia

30.7518, 33.9846, 5.8031

### Deuteranopia

34.4595, 33.9548, 4.7377



## Tritanopia

50.0268, 33.6962, 20.6969

# Trichromacy



## Original Color

47.5073, 33.7595, 4.1272

## Protanomaly

35.3772, 32.8072, 4.9982

## Deuteranomaly

38.3074, 33.2392, 4.4255

## Tritanomaly

48.3387, 33.3701, 10.7308

# Monochromacy



## Original Color

47.5073, 33.7595, 4.1272

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

30.5531, 28.1726, 14.4172

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5073, 33.7595, 4.1272 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, 116, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 4)  
}
```

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, 116, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 4) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5073, 33.7595, 4.1272 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, 116, 4) }
```



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

```
.border{ border-color:rgb(255, 116, 4) }
```

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

Here you see how a box with a 4 pixel rgb(255, 116, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 4);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
4) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5073, 33.7595, 4.1272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 4) }
```

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

```
.background{ background-color: rgb(255,  
116, 4) }
```

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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