

# Converting Colors

XYZ(43.1428, 32.9406, 4.0843)

Have a look what the booklet for  
XYZ(43.1428, 32.9406, 4.0843)  
contains.

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# Color

**XYZ(43.1428, 32.9406,  
4.0843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F07C00
RGB	240, 124, 0
RGB Percent	94%, 49%, 0%
CMY	0.0588, 0.5137, 1.0000
CMYK	0.00, 0.48, 1.00, 0.06
HSL	31°, 100%, 47%
HSV	31°, 100%, 94%
XYZ	43.1428, 32.9406, 4.0843
YIQ	144.5480, 108.9400, -13.9720

# Conversions

## Conversions Part 2

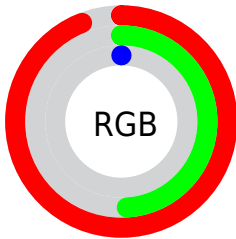
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 240, 0
Decimal	15760384
CIE Lab	64.11, 38.95, 71.18
CIE LCh	64, 81.135, 61.312
Yxy	32.9406, 0.5382, 0.4109
Android (android.graphics.Color)	4293950464 (0xFFFF07C00)
YUV	144.5480, -71.2622, 83.7114
Hunter-Lab	57.3939, 33.7385, 35.9565

# Details

The XYZ color **43.1428, 32.9406, 4.0843** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark saturated orange. A complement of this color would be **21.9735, 18.7821, 84.9044**, and the grayscale version is **26.9805, 28.3856, 30.9119**.

A 20% lighter version of the original color is **58.2977, 53.5557, 13.2259**, and **20.2870, 13.9952, 1.6321** is the 20% darker color. If you saturate the color by 10%, you get **43.1429, 32.9413, 4.0844**, and if you desaturate by 10%, it is **44.8488, 36.0890, 5.4667**.

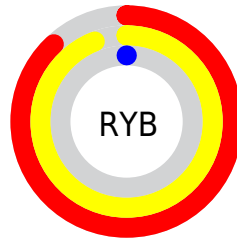
# Distribution



Red (94%)

Green (49%)

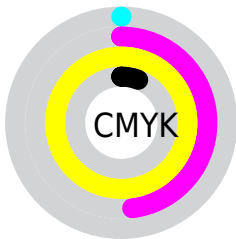
Blue (0%)



Red (88%)

Yellow (94%)

Blue (0%)

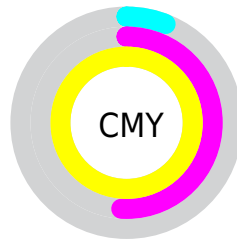


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (51%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1428, 32.9406, 4.0843 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 43.1428, 32.9406, 4.0843 by changing the saturation by 10% instead.





 43.1428, 32.9406,  
4.0843


 43.1428, 32.9406,  
4.0843

350.1103,  
315.3820, 149.1578


 30.1922, 22.0809,  
1.6717


 79.1807, 64.2828,  
14.2037


 20.1333, 13.9164,  
0.3412


 102.9986, 85.5341,  
22.7476


 12.6008, 8.0625,  
0.0000


 131.1698,  
111.0181, 34.1724

 7.2293, 4.1350,  
0.0000

 164.0594,  
141.1191, 48.8965

 3.6535, 1.7494,  
0.0000

 202.0329,  
176.2217, 67.3386


 1.5081, 0.4553,  
0.0000

 245.4557,


 0.3313, 0.0000,


216.7101, 89.9171


0.0000


 294.6930,  
262.9687, 117.0507


 0.0000, 0.0000,  
0.0000


 43.1428, 32.9406,  
4.0843


 43.1428, 32.9406,  
4.0843

 43.1429, 32.9413,  
4.0844

 44.8488, 36.0890,  
5.4667

 46.9344, 39.6704,  
7.9807

 49.4697, 43.7229,  
11.9644

 52.4975, 48.2717,  
17.6189

 56.0546, 53.3396,  
25.1132

■ 60.1735, 58.9470,  
34.5954

■ 64.8838, 65.1132,  
46.1982

■ 70.2126, 71.8561,  
60.0430

■ 76.1852, 79.1926,  
76.2416

# Harmonies

## Analogous

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



54.2019, 32.9406, 12.0263



43.1428, 32.9406, 4.0843



30.8063, 32.9406, 2.5221

# Triad

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



43.1428, 32.9406, 4.0843



14.0225, 32.9406, 37.3339



44.2360, 32.9406, 121.4971

# Complementary

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



43.1428, 32.9406, 4.0843



21.9735, 18.7821, 84.9044

# 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.



31.8172, 32.9406, 143.4250



43.1428, 32.9406, 4.0843



15.9859, 32.9406, 79.7622

# Square

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



43.1428, 32.9406, 4.0843



15.6652, 32.9406, 13.2775



21.8651, 32.9406, 124.7916



54.9339, 32.9406, 75.5662



# Rectangle

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



43.1428, 32.9406, 4.0843



23.9534, 32.9406, 3.3291



21.8651, 32.9406, 124.7916



40.0346, 32.9406, 132.8484

# Sweetspot

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



43.1435, 32.9424, 4.0849



74.4044, 74.6509, 52.8707



39.0875, 19.7863, 18.2833



15.4187, 15.3212, 10.0477



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.



43.1435, 32.9424, 4.0849



49.4580, 37.6960, 4.6693



65.7516, 80.1523, 12.0057



16.4483, 17.1098, 16.5853



23.7514, 18.3008, 2.2806



2.0755, 1.7217, 0.2229



# Inverse Universe

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



21.9735, 18.7821, 84.9044



25.1635, 21.4469, 97.4212



15.7783, 6.3173, 82.8250



15.5278, 16.4896, 20.0860



12.1604, 10.5450, 46.5223



1.1108, 1.0756, 3.9033



# Previews

## White Background



This preview shows how the XYZ color 43.1428, 32.9406, 4.0843 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 43.1428, 32.9406, 4.0843 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 43.1428, 32.9406, 4.0843**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1428, 32.9406, 4.0843.



This preview shows how white text looks on a background with the XYZ color 43.1428, 32.9406,



# 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

43.1428, 32.9406, 4.0843

### Protanopia

29.9192, 33.0575, 5.4657

### Deuteranopia

33.6159, 33.0501, 4.6076



## Tritanopia

47.0141, 32.9246, 22.6161

# Trichromacy



## Original Color

43.1428, 32.9406, 4.0843

## Protanomaly

33.5991, 32.1177, 4.8092

## Deuteranomaly

36.6732, 32.6114, 4.3617

## Tritanomaly

44.8157, 32.5616, 11.1307

# Monochromacy



## Original Color

43.1428, 32.9406, 4.0843

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

29.6998, 28.3673, 14.0353

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1428, 32.9406, 4.0843 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(240, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 124, 0)  
}
```

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(240, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 124, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1428, 32.9406, 4.0843 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(240, 124, 0) }
```



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

```
.border{ border-color:rgb(240, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 124,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1428, 32.9406, 4.0843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 124, 0) }
```

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

```
.background{ background-color: rgb(240,  
124, 0) }
```

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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