

# Converting Colors

XYZ(44.2497, 31.9328, 5.6871)

Have a look what the booklet for  
XYZ(44.2497, 31.9328, 5.6871)  
contains.

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# Color

**XYZ(44.1368, 31.8139,  
5.6482)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F57326
RGB	245, 115, 38
RGB Percent	96%, 45%, 15%
CMY	0.0392, 0.5490, 0.8510
CMYK	0.00, 0.53, 0.84, 0.04
HSL	22°, 91%, 55%
HSV	22°, 84%, 96%
XYZ	44.1368, 31.8139, 5.6482
YIQ	145.0920, 102.1970, 3.6130

# Conversions

## Conversions Part 2

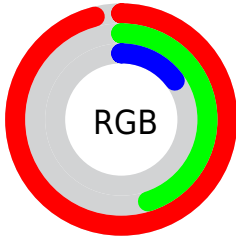
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	245, 161, 38
Decimal	16085798
CIE Lab	63.19, 45.86, 61.94
CIE LCh	63, 77.071, 53.486
Yxy	31.8139, 0.5409, 0.3899
Android (android.graphics.Color)	4294275878 (0xFFFF57326)
YUV	145.0920, -52.7964, 87.6193
Hunter-Lab	56.4038, 40.9722, 33.5454

# Details

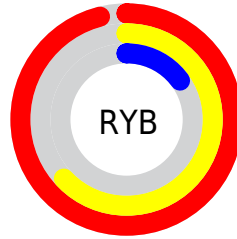
The XYZ color **44.1368, 31.8139, 5.6482** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **31.2823, 35.0078, 91.4940**, and the grayscale version is **27.1311, 28.5441, 31.0845**.

A 20% lighter version of the original color is **57.3163, 50.3913, 16.6031**, and **20.7787, 13.2690, 1.4660** is the 20% darker color. If you saturate the color by 10%, you get **42.2529, 28.4848, 3.6692**, and if you desaturate by 10%, it is **46.5744, 35.8360, 9.0925**.

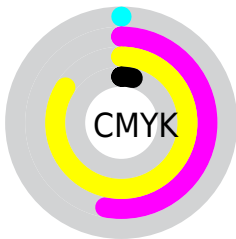
# Distribution



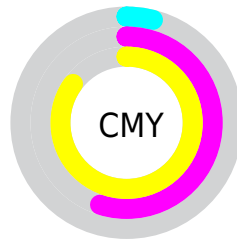
- Red (96%)
- Green (45%)
- Blue (15%)



- Red (96%)
- Yellow (63%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (84%)
- Black (4%)




- Cyan (4%)
- Magenta (55%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1368, 31.8139, 5.6482 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 44.1368, 31.8139, 5.6482 by changing the saturation by 10% instead.





 44.1368, 31.8139,  
5.6482

 44.1368, 31.8139,  
5.6482


354.1090,  
310.2706, 165.0846


 30.9764, 21.2194,  
2.5671


 80.6686, 62.5192,  
17.6611

 20.7326, 13.2845,  
0.8754


 104.7708, 83.3988,  
27.4299


 13.0401, 7.6247,  
0.0000


 133.2510,  
108.4756, 40.2651

 7.5333, 3.8558,  
0.0000

 166.4745,  
138.1339, 56.5851

 3.8471, 1.5932,  
0.0000

 204.8067,  
172.7582, 76.8085

 1.6160, 0.3530,  
0.0000

 248.6129,

 0.4028, 0.0000,

212.7328, 101.3539

0.0000

298.2586,  
258.4422, 130.6397

■ 0.0000, 0.0000,  
0.0000

■ 44.1368, 31.8139,  
5.6482

■ 44.1368, 31.8139,  
5.6482

■ 42.2529, 28.4848,  
3.6692

■ 46.5744, 35.8360,  
9.0925


■ 41.4092, 26.9189,  
3.0134


■ 49.6213, 40.5904,  
14.2369


■ 53.3267, 46.1187,  
21.2757


■ 57.7336, 52.4572,  
30.3760

■ 62.8809, 59.6395,  
41.6862

 68.8041, 67.6972,  
55.3410

 75.5366, 76.6601,  
71.4641

 83.1093, 86.5565,  
90.1707

 90.9827, 97.1858,  
108.5712

# Harmonies

## Analogous

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



53.1832, 31.8139, 16.1269



44.1368, 31.8139, 5.6482



32.6220, 31.8139, 2.9338

# Triad

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



44.1368, 31.8139, 5.6482



14.1115, 31.8139, 28.4018



39.1575, 31.8139, 121.1036

# Complementary

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



44.1368, 31.8139, 5.6482



31.2823, 35.0078, 91.4940

# 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.



27.9733, 31.8139, 131.7210



44.1368, 31.8139, 5.6482



15.0739, 31.8139, 63.6710

# Square

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



44.1368, 31.8139, 5.6482



16.5826, 31.8139, 10.1463



19.6145, 31.8139, 106.4110



49.8686, 31.8139, 82.5817



# Rectangle

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



44.1368, 31.8139, 5.6482



25.7086, 31.8139, 3.1793



19.6145, 31.8139, 106.4110



35.2707, 31.8139, 128.7264

# Sweetspot

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



44.1375, 31.8157, 5.6487



74.9632, 73.6161, 59.6929



45.5200, 23.6671, 39.7547



15.5388, 15.0721, 11.5966



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.



44.1375, 31.8157, 5.6487



45.3199, 29.4198, 3.2900



62.9218, 69.3843, 11.9102



17.0041, 17.4923, 17.2777



22.4297, 14.7450, 1.6639



2.0664, 1.4861, 0.1779



# Inverse Universe

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



31.2823, 35.0078, 91.4940



30.6445, 32.4091, 99.2482



19.2058, 10.8548, 87.4685



16.4484, 17.6611, 21.0846



15.2285, 16.2508, 48.8721



1.4367, 1.6248, 4.3281



# Previews

## White Background



This preview shows how the XYZ color 44.1368, 31.8139, 5.6482 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 44.1368, 31.8139, 5.6482 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 44.1368, 31.8139, 5.6482**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1368, 31.8139, 5.6482.



This preview shows how white text looks on a background with the XYZ color 44.1368, 31.8139,



# 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

44.1368, 31.8139, 5.6482

### Protanopia

29.1024, 32.0953, 7.4575

### Deuteranopia

32.5184, 31.7781, 5.1789



## Tritanopia

47.1685, 31.9194, 19.8947

# Trichromacy



## Original Color

44.1368, 31.8139, 5.6482

## Protanomaly

33.3859, 31.0801, 6.6223

## Deuteranomaly

36.1753, 31.2802, 5.2296

## Tritanomaly

45.7625, 31.8312, 12.7489

# Monochromacy



## Original Color

44.1368, 31.8139, 5.6482

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

30.1827, 27.9146, 17.4329

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1368, 31.8139, 5.6482 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(245, 115, 38)` looks like.

```
.text, #text, p{  
    color:rgb(245, 115, 38)  
}
```

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(245, 115, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 115, 38) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1368, 31.8139, 5.6482 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(245, 115, 38) }
```



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

```
.border{ border-color:rgb(245, 115, 38) }
```

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

Here you see how a box with a 4 pixel rgb(245, 115, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 115, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 115, 38);  
box-shadow:4px 4px 4px 4px rgb(245, 115,  
38) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1368, 31.8139, 5.6482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 115, 38) }
```

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

```
.background{ background-color: rgb(245,  
115, 38) }
```

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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