

Converting Colors

XYZ(51.0400, 32.7792, 5.0684)

Have a look what the booklet for
XYZ(51.0400, 32.7792, 5.0684)
contains.

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Color

**XYZ(45.8822, 30.1052,
4.8315)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6221
RGB	255, 98, 33
RGB Percent	100%, 38%, 13%
CMY	0.0000, 0.6156, 0.8706
CMYK	0.00, 0.62, 0.87, 0.00
HSL	18°, 100%, 56%
HSV	18°, 87%, 100%
XYZ	45.8822, 30.1052, 4.8315
YIQ	137.5330, 114.4370, 13.0690

Conversions

Conversions Part 2

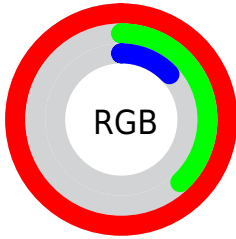
Format	Color
R_{YB}	255, 125, 33
Decimal	16736801
CIE _{Lab}	61.74, 57.12, 63.24
CIE _{LCh}	62, 85.215, 47.909
Yxy	30.1052, 0.5677, 0.3725
Android (android.graphics.Color)	4294926881 (0xFFFF6221)
YUV	137.5330, -51.5348, 103.0186
Hunter-Lab	54.8682, 53.2469, 33.1869

Details

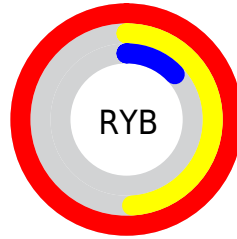
The XYZ color **45.8822, 30.1052, 4.8315** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **37.0888, 44.3666, 101.2158**, and the grayscale version is **24.1404, 25.3976, 27.6580**.

A 20% lighter version of the original color is **54.4753, 45.0431, 14.6271**, and **21.9607, 12.3982, 1.2356** is the 20% darker color. If you saturate the color by 10%, you get **44.1478, 27.0103, 3.1021**, and if you desaturate by 10%, it is **48.2666, 34.0712, 8.1028**.

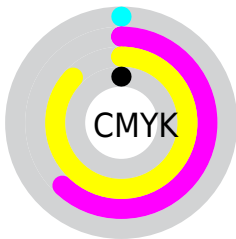
Distribution



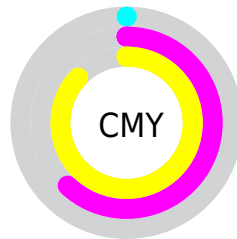
- Red (100%)
- Green (38%)
- Blue (13%)



- Red (100%)
- Yellow (49%)
- Blue (13%)



- Cyan (0%)
- Magenta (62%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8822, 30.1052, 4.8315 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 45.8822, 30.1052, 4.8315 by changing the saturation by 10% instead.


 45.8822, 30.1052,
4.8315


 45.8822, 30.1052,
4.8315


361.0587,
302.3945, 157.0621


 32.3571, 19.9185,
2.0917


 83.2716, 59.8285,
15.8861


 21.7913, 12.3358,
0.6108


 107.8666, 80.1339,
25.0380

 13.8194, 6.9728,
0.0000


 136.8824,
104.5809, 37.1644

 8.0760, 3.4451,
0.0000

 170.6841,
133.5539, 52.6838

 4.1958, 1.3683,
0.0000

 209.6373,
167.4374, 72.0147

 1.8135, 0.1932,
0.0000

 254.1072,

 0.5258, 0.0000,

206.6157, 95.5757

0.0000

304.4592,
251.4733, 123.7853

■ 0.0000, 0.0000,
0.0000

■ 45.8822, 30.1052,
4.8315

■ 45.8822, 30.1052,
4.8315

■ 44.1478, 27.0103,
3.1021

■ 48.2666, 34.0712,
8.1028

■ 43.7335, 26.2476,
2.7613

■ 51.3756, 38.9711,
13.2024

■ 55.2730, 44.8665,
20.3572

■ 60.0142, 51.8116,
29.7601

■ 65.6493, 59.8563,
41.5819

72.2239, 69.0473,
55.9765

79.7807, 79.4283,
73.0849

88.3592, 91.0408,
93.0380

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



54.8170, 30.1052, 17.0684



45.8822, 30.1052, 4.8315



33.4344, 30.1052, 1.7756

Triad

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



45.8822, 30.1052, 4.8315



12.1368, 30.1052, 21.3508



35.8653, 30.1052, 135.5093

Complementary

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



45.8822, 30.1052, 4.8315



37.0888, 44.3666, 101.2158

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.



24.2809, 30.1052, 139.7838



45.8822, 30.1052, 4.8315



12.4634, 30.1052, 56.0069

Square

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



45.8822, 30.1052, 4.8315



15.2797, 30.1052, 6.1948



16.3343, 30.1052, 104.5003



48.0622, 30.1052, 95.0793

Rectangle

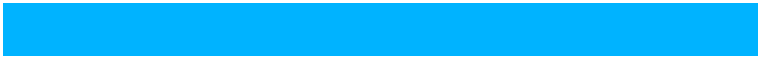
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8822, 30.1052, 4.8315



25.7143, 30.1052, 1.6646



16.3343, 30.1052, 104.5003



31.7241, 30.1052, 141.8773

Sweetspot

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



45.8829, 30.1069, 4.8320



72.9766, 70.0888, 57.6558



51.3091, 26.1579, 52.2721



15.1015, 14.2828, 11.1880



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.



45.8829, 30.1069, 4.8320



43.7339, 26.2478, 2.7613



63.8028, 65.9468, 10.8053



18.4427, 18.8536, 18.8114



22.9632, 13.9375, 1.4799



2.3254, 1.5362, 0.1740

Inverse Universe

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



37.0888, 44.3666, 101.2158



34.4376, 39.9951, 100.5125



21.6272, 13.4434, 96.0619



18.0792, 19.5301, 23.0668



18.1298, 21.1693, 52.5651



1.8598, 2.2504, 5.1496

Previews

White Background



This preview shows how the XYZ color 45.8822, 30.1052, 4.8315 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 45.8822, 30.1052, 4.8315 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 45.8822, 30.1052, 4.8315

Background



This preview shows how black text looks on a background with the XYZ color 45.8822, 30.1052, 4.8315.



This preview shows how white text looks on a background with the XYZ color 45.8822, 30.1052,

4.8315.

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

45.8822, 30.1052, 4.8315

Protanopia

27.5479, 30.3348, 6.9880

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

47.4948, 30.1663, 15.1238

Trichromacy



Original Color

45.8822, 30.1052, 4.8315

Protanomaly

32.3360, 28.6721, 5.9278

Deuteranomaly

34.9678, 29.0944, 4.1206

Tritanomaly

46.6022, 29.9524, 9.9818

Monochromacy



Original Color

45.8822, 30.1052, 4.8315

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.4393, 24.9098, 15.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8822, 30.1052, 4.8315 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, 98, 33)` looks like.

```
.text, #text, p{  
  color:rgb(255, 98, 33)  
}
```

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, 98, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 33) }
```

Border

The CSS property to change the border of an element to XYZ 45.8822, 30.1052, 4.8315 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, 98, 33) }
```


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

```
.border{ border-color:rgb(255, 98, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 98, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8822, 30.1052, 4.8315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 33) }
```

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

```
.background{ background-color: rgb(255, 98,  
33) }
```

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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