

Converting Colors

XYZ(45.8802, 30.2848, 4.2646)

Have a look what the booklet for
XYZ(45.8802, 30.2848, 4.2646)
contains.

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Color

**XYZ(45.8667, 30.2496,
4.2855)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6318
RGB	255, 99, 24
RGB Percent	100%, 39%, 9%
CMY	0.0000, 0.6117, 0.9059
CMYK	0.00, 0.61, 0.91, 0.00
HSL	19°, 100%, 55%
HSV	19°, 91%, 100%
XYZ	45.8667, 30.2496, 4.2855
YIQ	137.0940, 117.0510, 9.7470

Conversions

Conversions Part 2

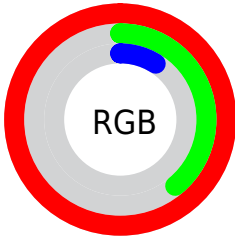
Format	Color
R _Y B	255, 135, 24
Decimal	16737048
CIE Lab	61.87, 56.54, 66.23
CIE LCh	62, 87.079, 49.510
Yxy	30.2496, 0.5705, 0.3762
Android (android.graphics.Color)	4294927128 (0xFFFF6318)
YUV	137.0940, -55.7553, 103.4036
Hunter-Lab	54.9996, 52.6099, 33.8799

Details

The XYZ color **45.8667, 30.2496, 4.2855** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **34.7465, 40.0539, 100.5068**, and the grayscale version is **23.9882, 25.2374, 27.4836**.

A 20% lighter version of the original color is **54.3726, 45.2672, 13.2688**, and **22.0281, 12.5330, 1.2581** is the 20% darker color. If you saturate the color by 10%, you get **44.3177, 27.4158, 2.9560**, and if you desaturate by 10%, it is **48.0767, 34.0297, 6.9963**.

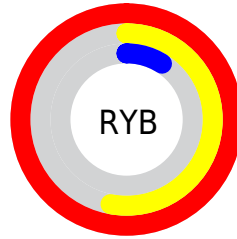
Distribution



Red (100%)

Green (39%)

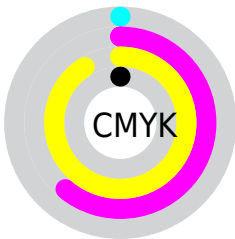
Blue (9%)



Red (100%)

Yellow (53%)

Blue (9%)

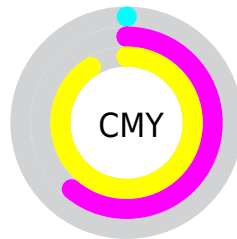


Cyan (0%)

Magenta (61%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8667, 30.2496, 4.2855 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 45.8667, 30.2496, 4.2855 by changing the saturation by 10% instead.


 45.8667, 30.2496,
4.2855


 45.8667, 30.2496,
4.2855


360.9974,
303.0662, 151.3477

 32.3448, 20.0281,
1.7832


 83.2486, 60.0567,
14.6630

 21.7818, 12.4155,
0.4169


 107.8392, 80.4111,
23.3754

 13.8124, 7.0273,
0.0000


 136.8502,
104.9119, 34.9948

 8.0711, 3.4792,
0.0000

 170.6469,
133.9435, 49.9400

 4.1927, 1.3867,
0.0000

 209.5946,
167.8904, 68.6293


 1.8117, 0.2069,
0.0000

 254.0587,


 0.5247, 0.0000,


207.1368, 91.4813


0.0000


 304.4045,
252.0673, 118.9146


 0.0000, 0.0000,
0.0000

 45.8667, 30.2496,
4.2855


 45.8667, 30.2496,
4.2855


 44.3177, 27.4158,
2.9560

 48.0767, 34.0297,
6.9963

 50.9590, 38.6663,
11.4348

 54.5779, 44.2167,
17.8429

 58.9880, 50.7307,
26.4229

 64.2384, 58.2543,
37.3514

70.3737, 66.8300,
50.7871

77.4350, 76.4980,
66.8744

85.4610, 87.2961,
85.7466

94.4878, 99.2603,
107.5284

Harmonies

Analogous

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



55.4228, 30.2496, 15.8346



45.8667, 30.2496, 4.2855



33.0210, 30.2496, 1.5656

Triad

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



45.8667, 30.2496, 4.2855



11.8835, 30.2496, 22.5922



36.8911, 30.2496, 137.8024

Complementary

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



45.8667, 30.2496, 4.2855



34.7465, 40.0539, 100.5068

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.



24.8666, 30.2496, 144.6872



45.8667, 30.2496, 4.2855



12.3961, 30.2496, 59.3115

Square

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



45.8667, 30.2496, 4.2855



14.8697, 30.2496, 6.3883



16.5314, 30.2496, 109.6724



49.3489, 30.2496, 94.5355

Rectangle

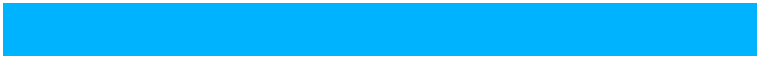
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8667, 30.2496, 4.2855



25.2103, 30.2496, 1.5407



16.5314, 30.2496, 109.6724



32.6094, 30.2496, 145.1983

Sweetspot

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



45.8674, 30.2513, 4.2860



72.7984, 70.1705, 56.2454



49.9944, 25.2845, 46.4205



15.0873, 14.3381, 10.9250



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.



45.8674, 30.2513, 4.2860



44.3180, 27.4160, 2.9560



65.1109, 68.7384, 10.7005



18.4909, 18.9501, 18.8275



23.2769, 14.5650, 1.5845



2.3608, 1.6070, 0.1858

Inverse Universe

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



34.7465, 40.0539, 100.5068



32.8405, 36.8010, 99.9802



20.3955, 11.3520, 95.7232



18.0285, 19.4287, 23.0499



17.3015, 19.5126, 52.2890



1.7840, 2.0987, 5.1243

Previews

White Background



This preview shows how the XYZ color 45.8667, 30.2496, 4.2855 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 45.8667, 30.2496, 4.2855 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 45.8667, 30.2496, 4.2855

Background



This preview shows how black text looks on a background with the XYZ color 45.8667, 30.2496, 4.2855.



This preview shows how white text looks on a background with the XYZ color 45.8667, 30.2496,

4.2855.

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

45.8667, 30.2496, 4.2855

Protanopia

27.3887, 30.2711, 6.1496

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

47.5430, 30.1855, 15.3772

Trichromacy



Original Color

45.8667, 30.2496, 4.2855

Protanomaly

32.1964, 28.6162, 5.1931

Deuteranomaly

34.9507, 29.0876, 4.0308

Tritanomaly

46.5926, 30.0936, 9.4838

Monochromacy



Original Color

45.8667, 30.2496, 4.2855

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

28.0167, 24.7137, 14.3599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8667, 30.2496, 4.2855 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, 99, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 24)  
}
```

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, 99, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 24) }
```

Border

The CSS property to change the border of an element to XYZ 45.8667, 30.2496, 4.2855 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, 99, 24) }
```


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

```
.border{ border-color:rgb(255, 99, 24) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8667, 30.2496, 4.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 24) }
```

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

```
.background{ background-color: rgb(255, 99,  
24) }
```

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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