

Converting Colors

XYZ(44.3723, 34.2584, 4.2739)

Have a look what the booklet for
XYZ(44.3723, 34.2584, 4.2739)
contains.

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Color

**XYZ(44.3371, 34.3156,
4.2867)**

Conversions

Conversions Part 1

Format	Color
Hex	F28000
RGB	242, 128, 0
RGB Percent	95%, 50%, 0%
CMY	0.0510, 0.4980, 1.0000
CMYK	0.00, 0.47, 1.00, 0.05
HSL	32°, 100%, 47%
HSV	32°, 100%, 95%
XYZ	44.3371, 34.3156, 4.2867
YIQ	147.4940, 109.0320, -15.6400

Conversions

Conversions Part 2

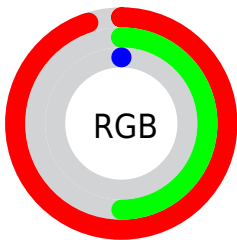
Format	Color
R_{YB}	216, 242, 0
Decimal	15892480
CIE _{Lab}	65.21, 37.72, 71.98
CIE _{LCh}	65, 81.268, 62.344
Yxy	34.3156, 0.5346, 0.4137
Android (android.graphics.Color)	4294082560 (0xFFFF28000)
YUV	147.4940, -72.7145, 82.8818
Hunter-Lab	58.5795, 32.5872, 36.6670

Details

The XYZ color **44.3371, 34.3156, 4.2867** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **22.0442, 18.4452, 86.4021**, and the grayscale version is **28.2002, 29.6688, 32.3093**.

A 20% lighter version of the original color is **59.1376, 55.1838, 13.6655**, and **21.0140, 14.7727, 1.7439** is the 20% darker color. If you saturate the color by 10%, you get **44.3373, 34.3165, 4.2869**, and if you desaturate by 10%, it is **46.0764, 37.5273, 5.6905**.

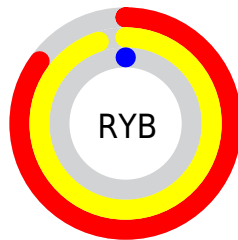
Distribution



Red (95%)

Green (50%)

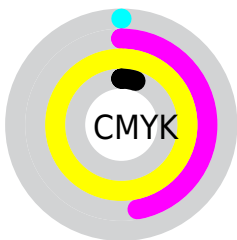
Blue (0%)



Red (85%)

Yellow (95%)

Blue (0%)

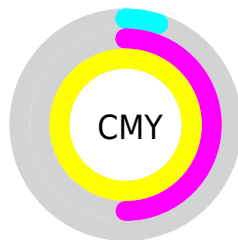


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3371, 34.3156, 4.2867 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 44.3371, 34.3156, 4.2867 by changing the saturation by 10% instead.

44.3371, 34.3156,
4.2867

44.3371, 34.3156,
4.2867

354.9111,
321.5370, 151.3606

31.1347, 23.1362,
1.7839

80.9680, 66.4242,
14.6658

20.8537, 14.6941,
0.4173

105.1271, 88.1221,
23.3791

13.1290, 8.6050,
0.0000

133.6692,
114.0949, 34.9997

7.5950, 4.4844,
0.0000

166.9596,
144.7271, 49.9461

3.8865, 1.9481,
0.0000

205.3636,
180.4030, 68.6369

1.6381, 0.5770,
0.0000

249.2466,


0.4171, 0.0000,


221.5070, 91.4905


0.0000


 298.9740,
268.4236, 118.9256


 0.0000, 0.0000,
0.0000


 44.3371, 34.3156,
4.2867


 44.3371, 34.3156,
4.2867


 44.3373, 34.3165,
4.2869

 46.0764, 37.5273,
5.6905

 48.1951, 41.1649,
8.2461

 50.7639, 45.2663,
12.2970

 53.8263, 49.8565,
18.0486

 57.4193, 54.9578,
25.6731

■ 61.5758, 60.5905,
35.3216

■ 66.3255, 66.7733,
47.1296

■ 71.6958, 73.5239,
61.2206

■ 77.7122, 80.8589,
77.7087

Harmonies

Analogous

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



55.8183, 34.3156, 12.2470



44.3371, 34.3156, 4.2867



31.6957, 34.3156, 2.7699

Triad

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



44.3371, 34.3156, 4.2867



14.7765, 34.3156, 40.0882



46.3412, 34.3156, 123.6853

Complementary

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



44.3371, 34.3156, 4.2867



22.0442, 18.4452, 86.4021

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.



33.5538, 34.3156, 147.3506



44.3371, 34.3156, 4.2867



16.9422, 34.3156, 84.0962

Square

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



44.3371, 34.3156, 4.2867



16.3489, 34.3156, 14.5710



23.1673, 34.3156, 129.6897



57.1581, 34.3156, 76.4272

Rectangle

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



44.3371, 34.3156, 4.2867



24.7198, 34.3156, 3.7127



23.1673, 34.3156, 129.6897



42.0365, 34.3156, 135.6197

Sweetspot

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



44.3378, 34.3175, 4.2873



74.6484, 75.1389, 52.9520



39.8268, 20.1609, 18.6128



15.4764, 15.4367, 10.0670



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.



44.3378, 34.3175, 4.2873



49.8874, 38.5547, 4.8125



67.0003, 81.6749, 12.2338



16.4649, 17.1430, 16.5908



23.9567, 18.7115, 2.3490



2.0925, 1.7558, 0.2286

Inverse Universe

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



22.0442, 18.4452, 86.4021



24.7808, 20.6816, 97.2936



16.0775, 6.4370, 84.3987



15.5113, 16.4566, 20.0805



11.9766, 10.1774, 46.4611



1.0952, 1.0443, 3.8981

Previews

White Background



This preview shows how the XYZ color 44.3371, 34.3156, 4.2867 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 44.3371, 34.3156, 4.2867 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 44.3371, 34.3156, 4.2867

Background



This preview shows how black text looks on a background with the XYZ color 44.3371, 34.3156, 4.2867.



This preview shows how white text looks on a background with the XYZ color 44.3371, 34.3156,

4.2867.

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

44.3371, 34.3156, 4.2867

Protanopia

31.1148, 34.4305, 5.6676

Deuteranopia

35.1540, 34.5507, 4.8161



Tritanopia

48.4336, 34.3188, 24.1501

Trichromacy



Original Color

44.3371, 34.3156, 4.2867

Protanomaly

35.0197, 33.7654, 5.0524

Deuteranomaly

38.1414, 34.2439, 4.5995

Tritanomaly

46.1009, 33.9256, 11.9031

Monochromacy



Original Color

44.3371, 34.3156, 4.2867

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.6899, 29.5094, 14.6680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3371, 34.3156, 4.2867 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(242, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 128, 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(242, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.3371, 34.3156, 4.2867 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(242, 128, 0) }
```


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

```
.border{ border-color:rgb(242, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 128,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3371, 34.3156, 4.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 128, 0) }
```

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

```
.background{ background-color: rgb(242,  
128, 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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