

Converting Colors

XYZ(42.0998, 30.8106, 3.8717)

Have a look what the booklet for
XYZ(42.0998, 30.8106, 3.8717)
contains.

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Color

**XYZ(42.0933, 30.7977,
3.8696)**

Conversions

Conversions Part 1

Format	Color
Hex	F07305
RGB	240, 115, 5
RGB Percent	94%, 45%, 2%
CMY	0.0588, 0.5490, 0.9804
CMYK	0.00, 0.52, 0.98, 0.06
HSL	28°, 96%, 48%
HSV	28°, 98%, 94%
XYZ	42.0933, 30.7977, 3.8696
YIQ	139.8350, 109.8100, -7.7100

Conversions

Conversions Part 2

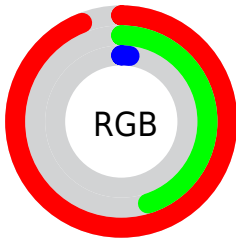
Format	Color
R _Y B	240, 212, 5
Decimal	15758085
CIE Lab	62.34, 43.46, 69.31
CIE LCh	62, 81.808, 57.908
Yxy	30.7977, 0.5484, 0.4012
Android (android.graphics.Color)	4293948165 (0xFFFF07305)
YUV	139.8350, -66.4737, 87.8447
Hunter-Lab	55.4957, 38.2743, 34.7128

Details

The XYZ color **42.0933, 30.7977, 3.8696** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **23.7733, 22.2887, 85.4865**, and the grayscale version is **25.0847, 26.3911, 28.7399**.

A 20% lighter version of the original color is **56.5653, 50.0909, 12.6484**, and **19.6820, 12.7851, 1.4304** is the 20% darker color. If you saturate the color by 10%, you get **41.7671, 30.1895, 3.6258**, and if you desaturate by 10%, it is **43.8464, 33.9932, 5.4134**.

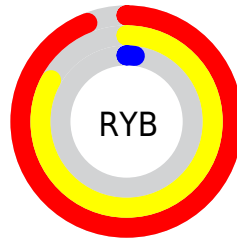
Distribution



Red (94%)

Green (45%)

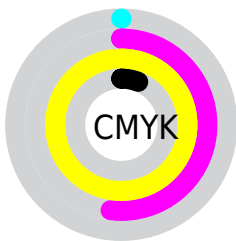
Blue (2%)



Red (94%)

Yellow (83%)

Blue (2%)

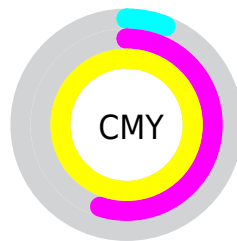


Cyan (0%)

Magenta (52%)

Yellow (98%)

Black (6%)



Cyan (6%)


Magenta (55%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0933, 30.7977, 3.8696 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 42.0933, 30.7977, 3.8696 by changing the saturation by 10% instead.


 42.0933, 30.7977,
3.8696


 42.0933, 30.7977,
3.8696


345.8546,
305.6052, 146.7648


 29.3658, 20.4449,
1.5541


 77.6051, 60.9214,
13.7079


 19.5034, 12.7188,
0.2577


 101.1201, 81.4611,
22.0677

 12.1407, 7.2352,
0.0000


 128.9616,
106.1652, 33.2794

 6.9125, 3.6096,
0.0000

 161.4950,
135.4180, 47.7615

 3.4533, 1.4577,
0.0000

 199.0856,
169.6041, 65.9326


 1.3977, 0.2587,
0.0000

 242.0989,


 0.2546, 0.0000,


209.1077, 88.2111


0.0000


 290.9001,
254.3133, 115.0157


 0.0000, 0.0000,
0.0000


 42.0933, 30.7977,
3.8696


 42.0933, 30.7977,
3.8696


 41.7671, 30.1895,
3.6258

 43.8464, 33.9932,
5.4134

 46.0347, 37.6964,
8.2190

 48.7159, 41.9434,
12.5510

 51.9332, 46.7628,
18.6031

 55.7243, 52.1804,
26.5397

60.1225, 58.2197,
36.5060

65.1586, 64.9028,
48.6326

70.8608, 72.2506,
63.0392

77.2555, 80.2827,
79.8365

Harmonies

Analogous

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



52.3870, 30.7977, 12.3345



42.0933, 30.7977, 3.8696



30.0558, 30.7977, 2.0620

Triad

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



42.0933, 30.7977, 3.8696



12.7426, 30.7977, 31.3582



40.4028, 30.7977, 121.3449

Complementary

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



42.0933, 30.7977, 3.8696



23.7733, 22.2887, 85.4865

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.



28.5026, 30.7977, 138.7219



42.0933, 30.7977, 3.8696



14.2087, 30.7977, 70.9037

Square

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



42.0933, 30.7977, 3.8696



14.6937, 30.7977, 10.4607



19.3612, 30.7977, 116.1779



51.2506, 30.7977, 77.4409

Rectangle

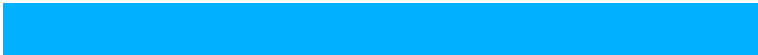
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.0933, 30.7977, 3.8696



23.2053, 30.7977, 2.5497



19.3612, 30.7977, 116.1779



36.3141, 30.7977, 131.3532

Sweetspot

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



42.0940, 30.7994, 3.8701



74.0560, 73.5391, 54.0343



40.0412, 20.2546, 23.0370



15.3102, 15.0263, 10.2518



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.



42.0940, 30.7994, 3.8701



47.8805, 34.5409, 4.1435



64.8657, 76.3428, 11.4607



16.3828, 16.9788, 16.5635



22.9947, 16.7876, 2.0284



2.0117, 1.5940, 0.2016

Inverse Universe

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



23.7733, 22.2887, 85.4865



26.8027, 24.7254, 97.9676



15.9326, 6.6074, 82.8729



15.5934, 16.6209, 20.1079



12.9455, 12.1152, 46.7840



1.1765, 1.2069, 3.9252

Previews

White Background



This preview shows how the XYZ color 42.0933, 30.7977, 3.8696 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 42.0933, 30.7977, 3.8696 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 42.0933, 30.7977, 3.8696

Background



This preview shows how black text looks on a background with the XYZ color 42.0933, 30.7977, 3.8696.



This preview shows how white text looks on a background with the XYZ color 42.0933, 30.7977,

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

42.0933, 30.7977, 3.8696

Protanopia

27.9506, 31.0604, 5.2812

Deuteranopia

31.3083, 30.7213, 4.2797



Tritanopia

45.2571, 30.7850, 19.4764

Trichromacy



Original Color

42.0933, 30.7977, 3.8696

Protanomaly

31.8318, 30.1048, 4.6233

Deuteranomaly

34.6930, 30.3348, 4.0841

Tritanomaly

43.4299, 30.5235, 10.0812

Monochromacy



Original Color

42.0933, 30.7977, 3.8696

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.9091, 26.2180, 13.4871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0933, 30.7977, 3.8696 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, 115, 5)` looks like.

```
.text, #text, p{  
    color:rgb(240, 115, 5)  
}
```

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, 115, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 115, 5) }
```

Border

The CSS property to change the border of an element to XYZ 42.0933, 30.7977, 3.8696 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, 115, 5) }
```


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

```
.border{ border-color:rgb(240, 115, 5) }
```

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

Here you see how a box with a 4 pixel rgb(240, 115, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 115, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 115, 5);  
box-shadow:4px 4px 4px 4px rgb(240, 115,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0933, 30.7977, 3.8696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 115, 5) }
```

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

```
.background{ background-color: rgb(240,  
115, 5) }
```

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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