

Converting Colors

XYZ(42.8979, 28.4870, 7.9320)

Have a look what the booklet for
XYZ(42.8979, 28.4870, 7.9320)
contains.

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Color

**XYZ(42.9211, 28.5067,
7.9428)**

Conversions

Conversions Part 1

Format	Color
Hex	F5623F
RGB	245, 98, 63
RGB Percent	96%, 38%, 25%
CMY	0.0392, 0.6157, 0.7529
CMYK	0.00, 0.60, 0.74, 0.04
HSL	12°, 90%, 60%
HSV	12°, 74%, 96%
XYZ	42.9211, 28.5067, 7.9428
YIQ	137.9630, 98.8470, 20.2790

Conversions

Conversions Part 2

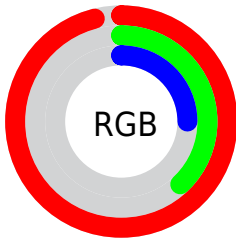
Format	Color
R_{YB}	245, 106, 63
Decimal	16081471
CIE Lab	60.34, 54.53, 48.06
CIE LCh	60, 72.689, 41.389
Yxy	28.5067, 0.5408, 0.3592
Android (android.graphics.Color)	4294271551 (0xFFFF5623F)
YUV	137.9630, -36.9568, 93.8714
Hunter-Lab	53.3917, 50.0592, 28.5539

Details

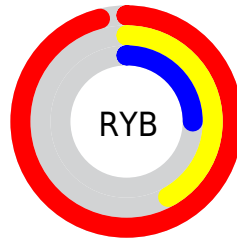
The XYZ color **42.9211, 28.5067, 7.9428** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.5759, 53.7385, 94.5670**, and the grayscale version is **24.2546, 25.5178, 27.7888**.

A 20% lighter version of the original color is **55.6119, 45.2347, 21.4229**, and **19.9352, 11.4441, 1.6102** is the 20% darker color. If you saturate the color by 10%, you get **40.7541, 25.0359, 4.5609**, and if you desaturate by 10%, it is **45.8513, 33.0177, 13.0810**.

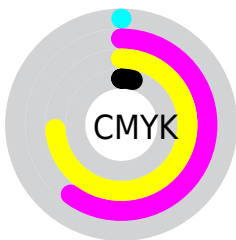
Distribution



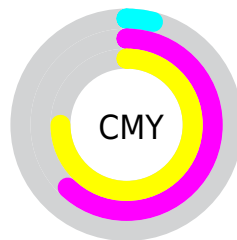
- Red (96%)
- Green (38%)
- Blue (25%)



- Red (96%)
- Yellow (42%)
- Blue (25%)



- Cyan (0%)
- Magenta (60%)
- Yellow (74%)
- Black (4%)



- Cyan (4%)
- Magenta (62%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9211, 28.5067, 7.9428 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 42.9211, 28.5067, 7.9428 by changing the saturation by 10% instead.

42.9211, 28.5067,
7.9428

42.9211, 28.5067,
7.9428

349.2142,
294.8803, 185.2005

30.0175, 18.7080,
3.9711

78.8482, 57.2924,
22.3906

20.0000, 11.4595,
1.6095

102.6025, 77.0482,
33.7037

12.5033, 6.3768,
0.2976

130.7042,
100.8917, 48.3011

7.1620, 3.0755,
0.0000

163.5190,
129.2075, 66.6013

3.6109, 1.1713,
0.0000

201.4120,
162.3798, 89.0227

1.4844, 0.0381,
0.0000

244.7486,

0.3152, 0.0000,

200.7931, 115.9841

0.0000

293.8942,
244.8318, 147.9038

■ 0.0000, 0.0000,
0.0000

■ 42.9211, 28.5067,
7.9428

■ 42.9211, 28.5067,
7.9428

■ 40.7541, 25.0359,
4.5609

■ 45.8513, 33.0177,
13.0810

■ 39.2703, 22.5142,
2.6914


■ 49.6095, 38.6400,
20.1732


■ 38.6775, 21.4555,
2.1028


■ 54.2555, 45.4439,
29.3917

■ 59.8425, 53.4925,
40.8898

■ 66.4199, 62.8442,
54.8062

 74.0331, 73.5538,
71.2688

 82.7249, 85.6727,
90.3962

 91.4660, 98.1524,
108.7323

Harmonies

Analogous

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



48.7831, 28.5067, 21.9514



42.9211, 28.5067, 7.9428



33.2383, 28.5067, 3.3611

Triad

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



42.9211, 28.5067, 7.9428



13.3921, 28.5067, 17.3505



30.7974, 28.5067, 113.6634

Complementary

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



42.9211, 28.5067, 7.9428



41.5759, 53.7385, 94.5670

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.



21.7591, 28.5067, 109.7272



42.9211, 28.5067, 7.9428



13.0295, 28.5067, 42.3413

Square

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



42.9211, 28.5067, 7.9428



16.8726, 28.5067, 6.2362



15.7332, 28.5067, 78.9630



40.7845, 28.5067, 87.8086

Rectangle

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



42.9211, 28.5067, 7.9428



26.6617, 28.5067, 2.7895



15.7332, 28.5067, 78.9630



27.5325, 28.5067, 116.0498

Sweetspot

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



42.9217, 28.5083, 7.9433



74.5075, 71.3196, 63.8111



51.2710, 27.7025, 64.6898



15.4903, 14.6193, 12.6776



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.



42.9217, 28.5083, 7.9433



43.7485, 25.9407, 3.8030



56.4014, 55.4677, 12.4365



16.7571, 16.9983, 17.1954



20.9112, 11.7080, 1.1577



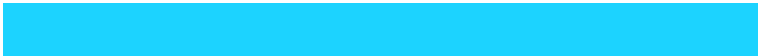
1.9059, 1.1650, 0.1244

Inverse Universe

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



41.5759, 53.7385, 94.5670



41.9105, 54.2281, 102.8659



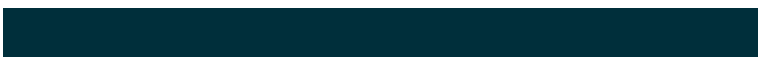
25.3243, 21.2353, 89.1498



16.7100, 18.1843, 21.1718



19.8402, 25.4741, 50.4093



1.8117, 2.3748, 4.4531

Previews

White Background



This preview shows how the XYZ color 42.9211, 28.5067, 7.9428 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9211, 28.5067, 7.9428 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9211, 28.5067, 7.9428

Background



This preview shows how black text looks on a background with the XYZ color 42.9211, 28.5067, 7.9428.



This preview shows how white text looks on a background with the XYZ color 42.9211, 28.5067,

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

42.9211, 28.5067, 7.9428

Protanopia

26.3520, 28.6849, 11.3556

Deuteranopia

29.1666, 28.6674, 7.3643



Tritanopia

44.6126, 28.6804, 14.9889

Trichromacy



Original Color

42.9211, 28.5067, 7.9428

Protanomaly

30.7911, 27.3880, 9.9669

Deuteranomaly

33.1230, 27.6898, 7.4698

Tritanomaly

43.7780, 28.4491, 11.9880

Monochromacy



Original Color

42.9211, 28.5067, 7.9428

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.0837, 24.6607, 18.3188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9211, 28.5067, 7.9428 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, 98, 63)` looks like.

```
.text, #text, p{  
    color:rgb(245, 98, 63)  
}
```

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, 98, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 98, 63) }
```

Border

The CSS property to change the border of an element to XYZ 42.9211, 28.5067, 7.9428 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, 98, 63) }
```


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

```
.border{ border-color:rgb(245, 98, 63) }
```

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

Here you see how a box with a 4 pixel rgb(245, 98, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 98, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 98, 63);  
box-shadow:4px 4px 4px 4px rgb(245, 98,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9211, 28.5067, 7.9428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 98, 63) }
```

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

```
.background{ background-color: rgb(245, 98,  
63) }
```

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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