

Converting Colors

XYZ(68.1654, 40.8702, 8.7664)

Have a look what the booklet for
XYZ(68.1654, 40.8702, 8.7664)
contains.

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Color

**XYZ(45.9967, 29.4256,
7.6703)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5D3D
RGB	255, 93, 61
RGB Percent	100%, 36%, 24%
CMY	0.0000, 0.6353, 0.7608
CMYK	0.00, 0.64, 0.76, 0.00
HSL	10°, 100%, 62%
HSV	10°, 76%, 100%
XYZ	45.9967, 29.4256, 7.6703
YIQ	137.7900, 106.8240, 24.3920

Conversions

Conversions Part 2

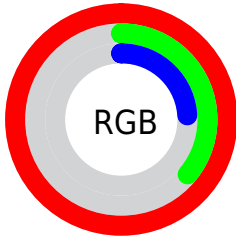
Format	Color
R_{YB}	255, 99, 61
Decimal	16735549
CIE _{Lab}	61.16, 59.99, 50.43
CIE _{LCh}	61, 78.367, 40.051
Yxy	29.4256, 0.5536, 0.3541
Android (android.graphics.Color)	4294925629 (0xFFFF5D3D)
YUV	137.7900, -37.8575, 102.7932
Hunter-Lab	54.2454, 56.4275, 29.5881

Details

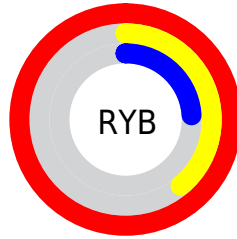
The XYZ color **45.9967, 29.4256, 7.6703** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **46.3596, 60.9824, 103.9346**, and the grayscale version is **24.1899, 25.4497, 27.7147**.

A 20% lighter version of the original color is **54.8567, 43.9026, 20.6217**, and **21.7658, 11.9022, 1.4980** is the 20% darker color. If you saturate the color by 10%, you get **43.8498, 25.9825, 4.3334**, and if you desaturate by 10%, it is **48.9913, 34.0429, 12.8992**.

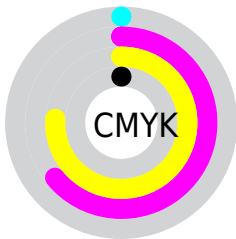
Distribution



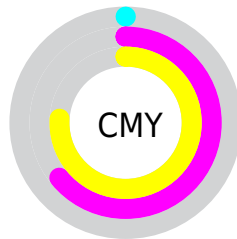
- Red (100%)
- Green (36%)
- Blue (24%)



- Red (100%)
- Yellow (39%)
- Blue (24%)



- Cyan (0%)
- Magenta (64%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9967, 29.4256, 7.6703 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 45.9967, 29.4256, 7.6703 by changing the saturation by 10% instead.


 45.9967, 29.4256,
7.6703


 45.9967, 29.4256,
7.6703


361.5115,
299.2178, 182.9596


 32.4478, 19.4030,
3.8000


 83.4420, 58.7526,
21.8449

 21.8610, 11.9618,
1.5163


 108.0690, 78.8258,
32.9863

 13.8708, 6.7177,
0.2300


 137.1196,
103.0180, 47.3884

 8.1120, 3.2862,
0.0000

 170.9589,
131.7136, 65.4699

 4.2191, 1.2829,
0.0000

 209.9525,
165.2970, 87.6492

 1.8268, 0.1279,
0.0000

 254.4655,

 0.5337, 0.0000,

204.1525, 114.3449

0.0000

304.8634,
248.6647, 145.9755

■ 0.0000, 0.0000,
0.0000

■ 45.9967, 29.4256,
7.6703

■ 45.9967, 29.4256,
7.6703

■ 43.8498, 25.9825,
4.3334

■ 48.9913, 34.0429,
12.8992

■ 42.4534, 23.5995,
2.6048


■ 52.9117, 39.9243,
20.2470


■ 42.0704, 22.9211,
2.2069

■ 57.8292, 47.1564,
29.9100

■ 63.8070, 55.8169,
42.0616

■ 70.9034, 65.9772,
56.8585

 79.1721, 77.7041,
74.4445

 88.6633, 91.0604,
94.9532

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



52.3026, 29.4256, 23.1385



45.9967, 29.4256, 7.6703



35.2707, 29.4256, 2.8471

Triad

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



45.9967, 29.4256, 7.6703



13.1958, 29.4256, 16.3432



31.5626, 29.4256, 126.3891

Complementary

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



45.9967, 29.4256, 7.6703



46.3596, 60.9824, 103.9346

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.



21.7502, 29.4256, 120.1806



45.9967, 29.4256, 7.6703



12.6679, 29.4256, 42.9725

Square

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



45.9967, 29.4256, 7.6703



17.0774, 29.4256, 5.3032



15.3994, 29.4256, 84.0320



42.7170, 29.4256, 97.8673

Rectangle

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



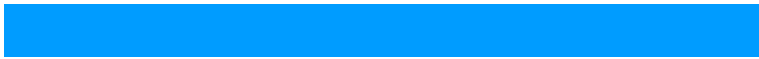
45.9967, 29.4256, 7.6703



27.9506, 29.4256, 2.2227



15.3994, 29.4256, 84.0320



27.9857, 29.4256, 128.5711

Sweetspot

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



45.9974, 29.4273, 7.6708



73.3215, 69.4171, 61.9680



56.6223, 30.0830, 74.7016



15.0889, 13.9973, 11.9859



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.



45.9974, 29.4273, 7.6708



43.0756, 24.6845, 3.3022



59.8737, 57.1799, 12.2962



18.2515, 18.4711, 18.7477



22.0534, 12.1180, 1.1767



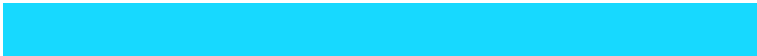
2.2123, 1.3101, 0.1363

Inverse Universe

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



46.3596, 60.9824, 103.9346



43.1411, 56.8793, 103.3128



27.8116, 23.8864, 97.7519



18.2847, 19.9411, 23.1353



21.9494, 28.8085, 53.8383



2.2020, 2.9347, 5.2637

Previews

White Background



This preview shows how the XYZ color 45.9967, 29.4256, 7.6703 looks on a white background.

Color Contrast Check

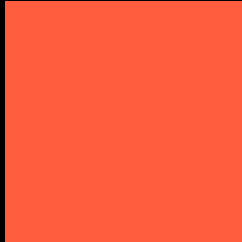
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9967, 29.4256, 7.6703 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 45.9967, 29.4256, 7.6703

Background



This preview shows how black text looks on a background with the XYZ color 45.9967, 29.4256, 7.6703.



This preview shows how white text looks on a background with the XYZ color 45.9967, 29.4256,

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

45.9967, 29.4256, 7.6703

Protanopia

27.0693, 29.5164, 11.4783

Deuteranopia

29.9614, 29.3007, 7.0941



Tritanopia

46.9617, 29.3986, 14.0258

Trichromacy



Original Color

45.9967, 29.4256, 7.6703

Protanomaly

31.6538, 27.6420, 9.7980

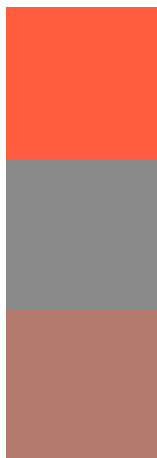
Deuteranomaly

34.3272, 28.1339, 7.1112

Tritanomaly

46.5424, 29.3667, 11.3989

Monochromacy



Original Color

45.9967, 29.4256, 7.6703

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.8301, 24.8686, 18.0325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9967, 29.4256, 7.6703 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, 93, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 61)  
}
```

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, 93, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 61) }
```

Border

The CSS property to change the border of an element to XYZ 45.9967, 29.4256, 7.6703 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, 93, 61) }
```


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

```
.border{ border-color:rgb(255, 93, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9967, 29.4256, 7.6703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 61) }
```

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

```
.background{ background-color: rgb(255, 93,  
61) }
```

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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