

Converting Colors

XYZ(45.4934, 28.5449, 7.1149)

Have a look what the booklet for
XYZ(45.4934, 28.5449, 7.1149)
contains.

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Color

**XYZ(45.4934, 28.5449,
7.1149)**

Conversions

Conversions Part 1

Format	Color
Hex	FF583A
RGB	255, 88, 58
RGB Percent	100%, 35%, 23%
CMY	0.0000, 0.6549, 0.7725
CMYK	0.00, 0.65, 0.77, 0.00
HSL	9°, 100%, 61%
HSV	9°, 77%, 100%
XYZ	45.4934, 28.5449, 7.1149
YIQ	134.5130, 109.1620, 26.0740

Conversions

Conversions Part 2

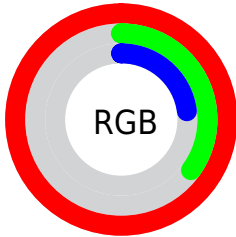
Format	Color
R_{YB}	255, 93, 58
Decimal	16734266
CIE _{Lab}	60.38, 61.90, 51.13
CIE _{LCh}	60, 80.288, 39.556
Yxy	28.5449, 0.5606, 0.3517
Android (android.graphics.Color)	4294924346 (0xFFFF583A)
YUV	134.5130, -37.7209, 105.6671
Hunter-Lab	53.4274, 58.4946, 29.5036

Details

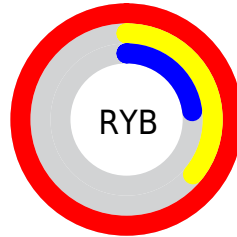
The XYZ color **45.4934, 28.5449, 7.1149** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **46.7171, 61.9641, 104.1050**, and the grayscale version is **22.9570, 24.1526, 26.3022**.

A 20% lighter version of the original color is **54.0192, 42.5723, 19.2801**, and **21.5347, 11.4672, 1.3368** is the 20% darker color. If you saturate the color by 10%, you get **43.4787, 25.3097, 3.9961**, and if you desaturate by 10%, it is **48.3561, 32.9635, 12.0993**.

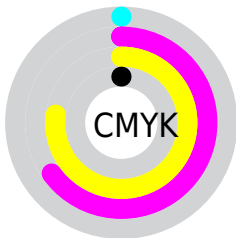
Distribution



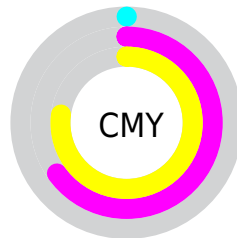
- Red (100%)
- Green (35%)
- Blue (23%)



- Red (100%)
- Yellow (36%)
- Blue (23%)



- Cyan (0%)
- Magenta (65%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4934, 28.5449, 7.1149 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 45.4934, 28.5449, 7.1149 by changing the saturation by 10% instead.


 45.4934, 28.5449,
7.1149


 45.4934, 28.5449,
7.1149

359.5184,
295.0616, 178.2820


 32.0492, 18.7368,
3.4545


 82.6928, 57.3532,
20.7208

 21.5548, 11.4803,
1.3311


 107.1787, 77.1223,
31.5034


 13.6449, 6.3908,
0.0871


 136.0759,
100.9804, 45.4971

 7.9541, 3.0842,
0.0000

 169.7497,
129.3121, 63.1206

 4.1172, 1.1758,
0.0000

 208.5655,
162.5016, 84.7922

 1.7686, 0.0418,
0.0000

 252.8887,

 0.4987, 0.0000,

200.9334, 110.9307

0.0000

303.0845,
244.9920, 141.9544

■ 0.0000, 0.0000,
0.0000

■ 45.4934, 28.5449,
7.1149

■ 45.4934, 28.5449,
7.1149

■ 43.4787, 25.3097,
3.9961

■ 48.3561, 32.9635,
12.0993

■ 42.2080, 23.1352,
2.4420

■ 52.1488, 38.6615,
19.1821

■ 41.9601, 22.7007,
2.1701

■ 56.9456, 45.7307,
28.5633

■ 62.8123, 54.2528,
40.4192

■ 69.8093, 64.3032,
54.9088

77.9920, 75.9519,
72.1778

87.4126, 89.2647,
92.3612

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



51.7904, 28.5449, 22.5661



45.4934, 28.5449, 7.1149



34.6719, 28.5449, 2.4490

Triad

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



45.4934, 28.5449, 7.1149



12.4580, 28.5449, 15.1523



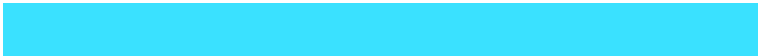
30.5616, 28.5449, 127.5998

Complementary

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



45.4934, 28.5449, 7.1149



46.7171, 61.9641, 104.1050

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.



20.7715, 28.5449, 120.5746



45.4934, 28.5449, 7.1149



11.8868, 28.5449, 41.5054

Square

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



45.4934, 28.5449, 7.1149



16.3517, 28.5449, 4.6253



14.5241, 28.5449, 83.1592



41.8370, 28.5449, 98.7428

Rectangle

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



45.4934, 28.5449, 7.1149



27.2852, 28.5449, 1.8483



14.5241, 28.5449, 83.1592



26.9775, 28.5449, 129.6286

Sweetspot

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



45.4940, 28.5466, 7.1153



73.1431, 69.0604, 61.9086



56.4048, 29.7468, 74.3249



15.0468, 13.9132, 11.9719



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.



45.4940, 28.5466, 7.1153



42.6660, 23.9393, 2.9379



59.5728, 56.7041, 11.8083



18.2327, 18.4336, 18.7414



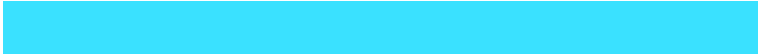
21.9915, 11.9941, 1.1560



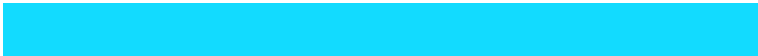
2.2035, 1.2924, 0.1333

Inverse Universe

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



46.7171, 61.9641, 104.1050



43.5952, 57.9442, 103.4944



27.3778, 23.2854, 97.6586



18.3053, 19.9821, 23.1421



22.3722, 29.6540, 53.9792



2.2393, 3.0092, 5.2761

Previews

White Background



This preview shows how the XYZ color 45.4934, 28.5449, 7.1149 looks on a white background.

Color Contrast Check

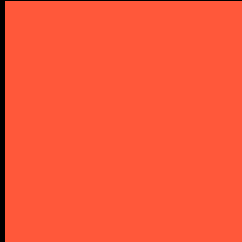
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4934, 28.5449, 7.1149 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 45.4934, 28.5449, 7.1149

Background



This preview shows how black text looks on a background with the XYZ color 45.4934, 28.5449, 7.1149.



This preview shows how white text looks on a background with the XYZ color 45.4934, 28.5449,

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

45.4934, 28.5449, 7.1149

Protanopia

26.2468, 28.6428, 10.8019

Deuteranopia

29.2347, 28.7220, 6.4857



Tritanopia

46.3340, 28.4952, 12.7309

Trichromacy



Original Color

45.4934, 28.5449, 7.1149

Protanomaly

30.9135, 26.6990, 9.1543

Deuteranomaly

33.5867, 27.2185, 6.5011

Tritanomaly

45.9429, 28.4656, 10.2807

Monochromacy



Original Color

45.4934, 28.5449, 7.1149

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

27.7227, 23.6021, 17.0044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4934, 28.5449, 7.1149 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, 88, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 58)  
}
```

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, 88, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 58) }
```

Border

The CSS property to change the border of an element to XYZ 45.4934, 28.5449, 7.1149 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, 88, 58) }
```


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

```
.border{ border-color:rgb(255, 88, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 88, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4934, 28.5449, 7.1149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 58) }
```

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

```
.background{ background-color: rgb(255, 88,  
58) }
```

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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