

Converting Colors

XYZ(66.7264, 39.3940, 9.8827)

Have a look what the booklet for
XYZ(66.7264, 39.3940, 9.8827)
contains.

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Color

**XYZ(45.8352, 28.6816,
8.9147)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5846
RGB	255, 88, 70
RGB Percent	100%, 35%, 27%
CMY	0.0000, 0.6549, 0.7255
CMYK	0.00, 0.65, 0.73, 0.00
HSL	6°, 100%, 64%
HSV	6°, 73%, 100%
XYZ	45.8352, 28.6816, 8.9147
YIQ	135.8810, 105.3100, 29.8060

Conversions

Conversions Part 2

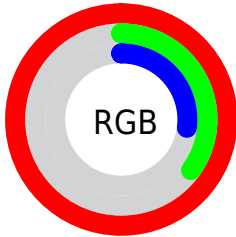
Format	Color
R _Y B	255, 90, 70
Decimal	16734278
CIE Lab	60.50, 62.35, 45.05
CIE LCh	60, 76.926, 35.848
Yxy	28.6816, 0.5494, 0.3438
Android (android.graphics.Color)	4294924358 (0xFFFF5846)
YUV	135.8810, -32.4793, 104.4674
Hunter-Lab	53.5552, 59.0475, 27.6193

Details

The XYZ color **45.8352, 28.6816, 8.9147** is a dark color, and the websafe version is hex **FF3333**. The color can be described as middle washed red. A complement of this color would be **50.8570, 69.0845, 105.2613**, and the grayscale version is **23.4487, 24.6699, 26.8655**.

A 20% lighter version of the original color is **54.6952, 42.8427, 22.8395**, and **21.6329, 11.4788, 1.9396** is the 20% darker color. If you saturate the color by 10%, you get **43.5937, 25.2253, 5.0039**, and if you desaturate by 10%, it is **49.0157, 33.4703, 14.8233**.

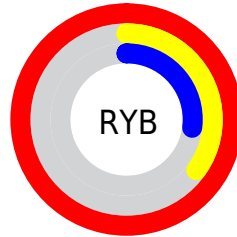
Distribution



Red (100%)

Green (35%)

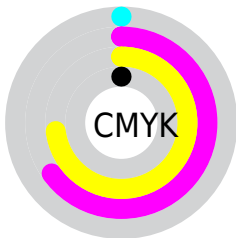
Blue (27%)



Red (100%)

Yellow (35%)

Blue (27%)

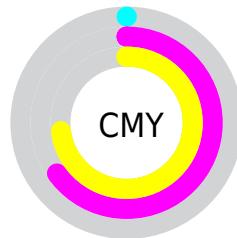


Cyan (0%)

Magenta (65%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8352, 28.6816, 8.9147 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 45.8352, 28.6816, 8.9147 by changing the saturation by 10% instead.


 45.8352, 28.6816,
8.9147


 45.8352, 28.6816,
8.9147


360.8728,
295.7097, 192.9349


 32.3199, 18.8401,
4.5895


 83.2017, 57.5708,
24.3082


 21.7627, 11.5548,
1.9540


 107.7835, 77.3873,
36.2135


 13.7982, 6.4413,
0.5268


 136.7850,
101.2976, 51.4827

 8.0612, 3.1152,
0.0000

 170.5713,
129.6861, 70.5343

 4.1863, 1.1922,
0.0000

 209.5079,
162.9371, 93.7867

 1.8081, 0.0553,
0.0000

253.9601,

 0.5225, 0.0000,

201.4352, 121.6586

0.0000

304.2932,
245.5645, 154.5685

■ 0.0000, 0.0000,
0.0000

■ 45.8352, 28.6816,
8.9147

■ 45.8352, 28.6816,
8.9147

■ 43.5937, 25.2253,
5.0039

■ 49.0157, 33.4703,
14.8233

■ 42.1844, 22.9611,
2.8247

■ 53.2224, 39.7032,
22.9478

■ 41.5836, 21.9476,
2.0446

■ 58.5348, 47.4861,
33.4795

■ 65.0238, 56.9136,
46.5885

■ 72.7544, 68.0724,
62.4294

81.7870, 81.0433,
81.1448

92.1777, 95.9021,
102.8674

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



50.9868, 28.6816, 25.9863



45.8352, 28.6816, 8.9147



35.8364, 28.6816, 3.1974

Triad

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



45.8352, 28.6816, 8.9147



13.2947, 28.6816, 13.7829



29.2515, 28.6816, 123.2250

Complementary

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



45.8352, 28.6816, 8.9147



50.8570, 69.0845, 105.2613

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.



20.1759, 28.6816, 112.3291



45.8352, 28.6816, 8.9147



12.3450, 28.6816, 37.1341

Square

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



45.8352, 28.6816, 8.9147



17.5445, 28.6816, 4.5772



14.5359, 28.6816, 75.4043



40.0307, 28.6816, 99.7597

Rectangle

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



45.8352, 28.6816, 8.9147



28.6659, 28.6816, 2.2857



14.5359, 28.6816, 75.4043



25.9028, 28.6816, 123.5773

Sweetspot

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



45.8358, 28.6833, 8.9152



73.2160, 68.7366, 63.3806



59.0962, 31.9068, 85.1574



15.1914, 14.0214, 12.5779



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.



45.8358, 28.6833, 8.9152



42.8708, 24.0790, 3.8381



58.2491, 53.5097, 13.0529



18.1516, 18.2713, 18.7144



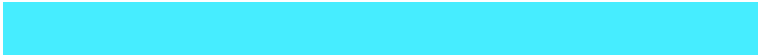
21.7753, 11.5617, 1.0840



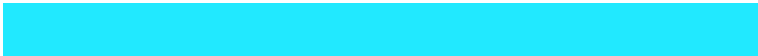
2.1655, 1.2163, 0.1206

Inverse Universe

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



50.8570, 69.0845, 105.2613



47.9351, 66.0521, 104.8306



31.0225, 29.4156, 98.6498



18.3948, 20.1613, 23.1720



24.3046, 33.5188, 54.6234



2.4085, 3.3477, 5.3325

Previews

White Background



This preview shows how the XYZ color 45.8352, 28.6816, 8.9147 looks on a white background.

Color Contrast Check

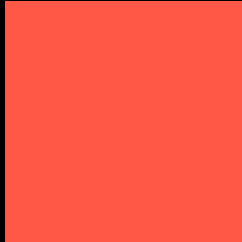
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.8352, 28.6816, 8.9147 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 45.8352, 28.6816, 8.9147

Background



This preview shows how black text looks on a background with the XYZ color 45.8352, 28.6816, 8.9147.



This preview shows how white text looks on a background with the XYZ color 45.8352, 28.6816,

8.9147.

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

45.8352, 28.6816, 8.9147

Protanopia

26.5793, 28.7526, 13.6001

Deuteranopia

29.3396, 28.7366, 8.2753



Tritanopia

46.4561, 28.6709, 12.9831

Trichromacy



Original Color

45.8352, 28.6816, 8.9147

Protanomaly

31.3623, 26.8785, 11.5177

Deuteranomaly

33.9364, 27.3584, 8.3425

Tritanomaly

46.2095, 28.7009, 11.2879

Monochromacy



Original Color

45.8352, 28.6816, 8.9147

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

28.1119, 23.9472, 18.4699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8352, 28.6816, 8.9147 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 70) }
```

Border

The CSS property to change the border of an element to XYZ 45.8352, 28.6816, 8.9147 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, 70) }
```


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

```
.border{ border-color:rgb(255, 88, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8352, 28.6816, 8.9147 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, 70) }
```

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

```
.background{ background-color: rgb(255, 88,  
70) }
```

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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