

# Converting Colors

XYZ(45.5728, 28.0277, 9.2254)

Have a look what the booklet for  
XYZ(45.5728, 28.0277, 9.2254)  
contains.

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# Color

**XYZ(45.6129, 28.0817,  
9.3196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5449
RGB	255, 84, 73
RGB Percent	100%, 33%, 29%
CMY	0.0000, 0.6705, 0.7137
CMYK	0.00, 0.67, 0.71, 0.00
HSL	4°, 100%, 64%
HSV	4°, 71%, 100%
XYZ	45.6129, 28.0817, 9.3196
YIQ	133.8750, 105.4470, 32.8310

# Conversions

## Conversions Part 2

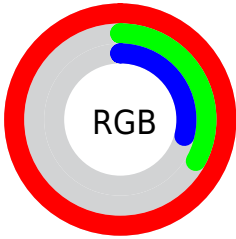
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 85, 73
Decimal	16733257
CIE <sub>Lab</sub>	59.96, 64.03, 42.83
CIE <sub>LCh</sub>	60, 77.038, 33.776
Yxy	28.0817, 0.5495, 0.3383
Android (android.graphics.Color)	4294923337 (0xFFFF5449)
YUV	133.8750, -30.0114, 106.2266
Hunter-Lab	52.9922, 60.9072, 26.6673

# Details

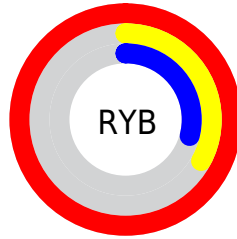
The XYZ color **45.6129, 28.0817, 9.3196** is a dark color, and the websafe version is hex **FF3333**. The color can be described as middle washed red. A complement of this color would be **53.1448, 73.3310, 105.9603**, and the grayscale version is **22.6952, 23.8772, 26.0022**.

A 20% lighter version of the original color is **54.4259, 42.0111, 23.6528**, and **21.5099, 11.1612, 2.1192** is the 20% darker color. If you saturate the color by 10%, you get **43.3816, 24.7066, 5.2250**, and if you desaturate by 10%, it is **48.8273, 32.8697, 15.4507**.

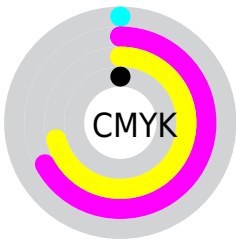
# Distribution



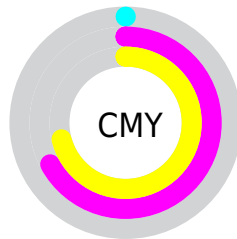
- Red (100%)
- Green (33%)
- Blue (29%)



- Red (100%)
- Yellow (33%)
- Blue (29%)



- Cyan (0%)
- Magenta (67%)
- Yellow (71%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6129, 28.0817, 9.3196 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 45.6129, 28.0817, 9.3196 by changing the saturation by 10% instead.





 45.6129, 28.0817,  
9.3196


 45.6129, 28.0817,  
9.3196


359.9923,  
292.8571, 196.0495


 32.1438, 18.3873,  
4.8506


 82.8708, 56.6149,  
25.0951


 21.6274, 11.2284,  
2.1027


 107.3903, 76.2224,  
37.2387

 13.6985, 6.2207,  
0.6173


 136.3239, 99.9030,  
52.7775

 7.9915, 2.9797,  
0.0000

 170.0371,  
128.0412, 72.1301

 4.1413, 1.1212,  
0.0000

 208.8952,  
161.0213, 95.7151

 1.7824, 0.0000,  
0.0000

253.2635,

 0.5070, 0.0000,

199.2277, 123.9510

0.0000

303.5074,  
243.0448, 157.2563

■ 0.0000, 0.0000,  
0.0000

■ 45.6129, 28.0817,  
9.3196

■ 45.6129, 28.0817,  
9.3196

■ 43.3816, 24.7066,  
5.2250

■ 48.8273, 32.8697,  
15.4507

■ 42.0183, 22.5854,  
2.9039


■ 53.1191, 39.1976,  
23.8353


■ 41.4166, 21.6137,  
1.9890

■ 58.5735, 47.1836,  
34.6640

■ 65.2667, 56.9331,  
48.1071

■ 73.2684, 68.5430,  
64.3193

 82.6432, 82.1029,  
83.4436

 93.4513, 97.6966,  
105.6129

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.



50.2484, 28.0817, 27.1584



45.6129, 28.0817, 9.3196



35.9111, 28.0817, 3.2220

# Triad

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



45.6129, 28.0817, 9.3196



13.1064, 28.0817, 12.3945



27.9510, 28.0817, 122.1962

# Complementary

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



45.6129, 28.0817, 9.3196



53.1448, 73.3310, 105.9603

# 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.



19.2015, 28.0817, 109.0110



45.6129, 28.0817, 9.3196



11.9601, 28.0817, 34.2693

# Square

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



45.6129, 28.0817, 9.3196



17.5271, 28.0817, 4.0816



13.8939, 28.0817, 71.4516



38.5946, 28.0817, 100.9261



# Rectangle

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



45.6129, 28.0817, 9.3196



28.7858, 28.0817, 2.1895



13.8939, 28.0817, 71.4516



24.7001, 28.0817, 121.6911

# Sweetspot

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



45.6135, 28.0833, 9.3200



73.5928, 69.0126, 64.9783



60.2414, 32.6727, 90.2391



15.2472, 14.0402, 12.8824



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.



45.6135, 28.0833, 9.3200



42.6508, 23.5794, 3.9485



57.4051, 51.6664, 13.2506



18.0976, 18.1633, 18.6964



21.6751, 11.3615, 1.0506



2.1400, 1.1653, 0.1121



# Inverse Universe

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



53.1448, 73.3310, 105.9603



50.4398, 70.9350, 105.6411



32.5023, 32.0459, 99.0794



18.4552, 20.2820, 23.1921



25.6882, 36.2860, 55.0846



2.5286, 3.5879, 5.3725



# Previews

## White Background



This preview shows how the XYZ color 45.6129, 28.0817, 9.3196 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



## 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 45.6129, 28.0817, 9.3196**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6129, 28.0817, 9.3196.



This preview shows how white text looks on a background with the XYZ color 45.6129, 28.0817,



# 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

45.6129, 28.0817, 9.3196

### Protanopia

26.0504, 28.2270, 14.6650

### Deuteranopia

28.5761, 28.1195, 8.6241



## Tritanopia

46.0536, 28.1346, 12.0201

# Trichromacy



## Original Color

45.6129, 28.0817, 9.3196

## Protanomaly

30.7550, 26.1753, 12.2355

## Deuteranomaly

33.2237, 26.6275, 8.6987

## Tritanomaly

45.8562, 28.0557, 10.9810

# Monochromacy



## Original Color

45.6129, 28.0817, 9.3196

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

27.5301, 23.1256, 18.3419

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6129, 28.0817, 9.3196 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, 84, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 73)  
}
```

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, 84, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 73) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6129, 28.0817, 9.3196 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, 84, 73) }
```



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

```
.border{ border-color:rgb(255, 84, 73) }
```

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

Here you see how a box with a 4 pixel rgb(255, 84, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
73) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6129, 28.0817, 9.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 73) }
```

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

```
.background{ background-color: rgb(255, 84,  
73) }
```

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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