

# Converting Colors

XYZ(44.4635, 26.7510, 5.9519)

Have a look what the booklet for  
XYZ(44.4635, 26.7510, 5.9519)  
contains.

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# Color

**XYZ(44.4914, 26.8068,  
5.9612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4D33
RGB	255, 77, 51
RGB Percent	100%, 30%, 20%
CMY	0.0000, 0.6980, 0.8000
CMYK	0.00, 0.70, 0.80, 0.00
HSL	8°, 100%, 60%
HSV	8°, 80%, 100%
XYZ	44.4914, 26.8068, 5.9612
YIQ	127.2580, 114.4340, 29.6500

# Conversions

## Conversions Part 2

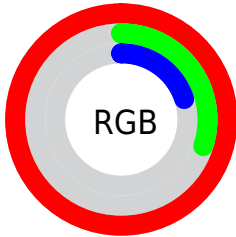
Format	Color
R <sub>Y</sub> B	255, 81, 51
Decimal	16731443
CIE Lab	58.80, 65.83, 53.01
CIE LCh	59, 84.524, 38.844
Yxy	26.8068, 0.5759, 0.3470
Android (android.graphics.Color)	4294921523 (0xFFFF4D33)
YUV	127.2580, -37.5952, 112.0297
Hunter-Lab	51.7753, 62.7814, 29.4163

# Details

The XYZ color **44.4914, 26.8068, 5.9612** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **47.4308, 63.9552, 104.4517**, and the grayscale version is **20.3610, 21.4213, 23.3278**.

A 20% lighter version of the original color is **52.3444, 39.7884, 16.9777**, and **21.2407, 10.9493, 1.0226** is the 20% darker color. If you saturate the color by 10%, you get **42.7756, 24.0422, 3.3344**, and if you desaturate by 10%, it is **47.0483, 30.7619, 10.3870**.

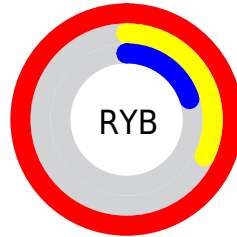
# Distribution



Red (100%)

Green (30%)

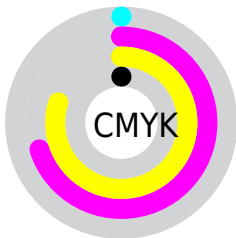
Blue (20%)



Red (100%)

Yellow (32%)

Blue (20%)

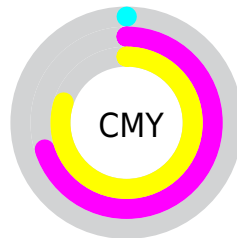


Cyan (0%)

Magenta (70%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (70%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4914, 26.8068, 5.9612 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 44.4914, 26.8068, 5.9612 by changing the saturation by 10% instead.





 44.4914, 26.8068,  
5.9612


 44.4914, 26.8068,  
5.9612


355.5282,  
286.7205, 168.0184


 31.2566, 17.4282,  
2.7531


 81.1984, 54.5737,  
18.3266


 20.9471, 10.5402,  
0.9700


 105.4014, 73.7307,  
28.3209


 13.1976, 5.7586,  
0.0000


 133.9911, 96.9161,  
41.4145

 7.6427, 2.6989,  
0.0000

 167.3329,  
124.5140, 58.0257

 3.9170, 0.9766,  
0.0000

 205.7921,  
156.9091, 78.5732

 1.6553, 0.0000,  
0.0000

 249.7342,

 0.4280, 0.0000,

194.4856, 103.4754

0.0000

299.5245,  
237.6279, 133.1510

■ 0.0000, 0.0000,  
0.0000

■ 44.4914, 26.8068,  
5.9612

■ 44.4914, 26.8068,  
5.9612

■ 42.7756, 24.0422,  
3.3344

■ 47.0483, 30.7619,  
10.3870

■ 41.7702, 22.3209,  
2.1069

■ 50.5374, 36.0181,  
16.8591

■ 41.7702, 22.3208,  
2.1068

■ 55.0398, 42.6785,  
25.5870

■ 60.6268, 50.8345,  
36.7538

■ 67.3636, 60.5697,  
50.5240

■ 75.3098, 71.9615,  
67.0476

■ 84.5211, 85.0822,  
86.4632

95.0496, 99.9998,  
108.9000

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.



50.8536, 26.8068, 21.2232



44.4914, 26.8068, 5.9612



33.4175, 26.8068, 1.7146

# Triad

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



44.4914, 26.8068, 5.9612



10.9869, 26.8068, 12.9881



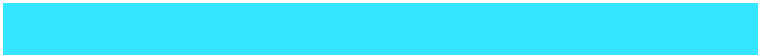
28.6861, 26.8068, 130.5566

# Complementary

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



44.4914, 26.8068, 5.9612



47.4308, 63.9552, 104.4517

# 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.



18.9093, 26.8068, 122.0979



44.4914, 26.8068, 5.9612



10.3641, 26.8068, 38.9315

# Square

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



44.4914, 26.8068, 5.9612



14.8634, 26.8068, 3.4236



12.8410, 26.8068, 82.0119



40.2285, 26.8068, 100.5914



# Rectangle

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



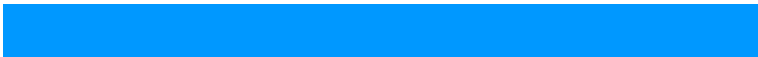
44.4914, 26.8068, 5.9612



25.8854, 26.8068, 1.1954



12.8410, 26.8068, 82.0119



25.0770, 26.8068, 132.3860

# Sweetspot

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



44.4920, 26.8084, 5.9616



71.9828, 67.2014, 60.0985



56.8755, 29.4083, 78.4276



14.8088, 13.5253, 11.6206



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.



44.4920, 26.8084, 5.9616



42.1032, 22.8971, 2.4934



57.5198, 52.8641, 10.3042



18.1960, 18.3602, 18.7292



21.8834, 11.7781, 1.1200

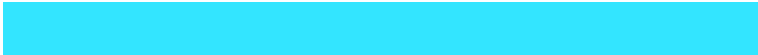


2.1864, 1.2581, 0.1276

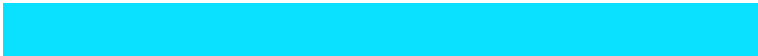


# Inverse Universe

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



47.4308, 63.9552, 104.4517



44.7757, 60.4818, 103.9220



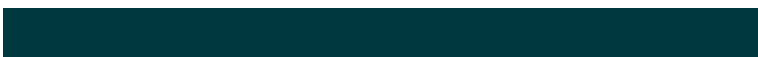
27.2918, 23.6771, 97.7386



18.3456, 20.0629, 23.1555



23.2252, 31.3600, 54.2636



2.3142, 3.1591, 5.3011



# Previews

## White Background



This preview shows how the XYZ color 44.4914, 26.8068, 5.9612 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 44.4914, 26.8068, 5.9612 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 44.4914, 26.8068, 5.9612**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4914, 26.8068, 5.9612.



This preview shows how white text looks on a background with the XYZ color 44.4914, 26.8068,



# 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

44.4914, 26.8068, 5.9612

### Protanopia

24.6518, 26.9438, 9.5316

### Deuteranopia

27.1886, 26.6365, 5.2985



## Tritanopia

45.1312, 26.8422, 10.0101

# Trichromacy



## Original Color

44.4914, 26.8068, 5.9612

## Protanomaly

29.3403, 24.6421, 7.7674

## Deuteranomaly

31.7590, 25.0922, 5.2672

## Tritanomaly

44.8678, 26.8462, 8.2859

# Monochromacy



## Original Color

44.4914, 26.8068, 5.9612

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

25.1763, 20.8368, 14.4993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4914, 26.8068, 5.9612 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, 77, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 51)  
}
```

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, 77, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4914, 26.8068, 5.9612 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, 77, 51) }
```



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

```
.border{ border-color:rgb(255, 77, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4914, 26.8068, 5.9612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 51) }
```

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

```
.background{ background-color: rgb(255, 77,  
51) }
```

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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