

# Converting Colors

XYZ(44.3840, 26.5919, 5.9254)

Have a look what the booklet for  
XYZ(44.3840, 26.5919, 5.9254)  
contains.

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# Color

**XYZ(44.3536, 26.5312,  
5.9153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4B33
RGB	255, 75, 51
RGB Percent	100%, 29%, 20%
CMY	0.0000, 0.7058, 0.8000
CMYK	0.00, 0.71, 0.80, 0.00
HSL	7°, 100%, 60%
HSV	7°, 80%, 100%
XYZ	44.3536, 26.5312, 5.9153
YIQ	126.0840, 114.9840, 30.6960

# Conversions

## Conversions Part 2

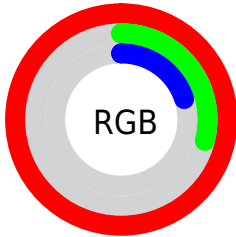
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 78, 51
Decimal	16730931
CIE Lab	58.54, 66.54, 52.77
CIE LCh	59, 84.922, 38.415
Yxy	26.5312, 0.5775, 0.3455
Android (android.graphics.Color)	4294921011 (0xFFFF4B33)
YUV	126.0840, -37.0164, 113.0593
Hunter-Lab	51.5084, 63.5655, 29.2470

# Details

The XYZ color **44.3536, 26.5312, 5.9153** 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 **47.9874, 65.0683, 104.6372**, and the grayscale version is **19.9561, 20.9954, 22.8640**.

A 20% lighter version of the original color is **52.0653, 39.2303, 16.8847**, and **20.9972, 10.8232, 1.0398** is the 20% darker color. If you saturate the color by 10%, you get **42.6717, 23.8344, 3.2998**, and if you desaturate by 10%, it is **46.8838, 30.4328, 10.3322**.

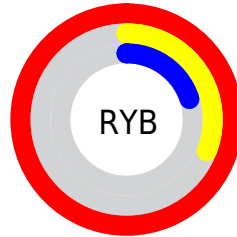
# Distribution



Red (100%)

Green (29%)

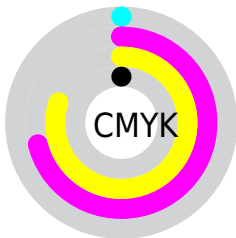
Blue (20%)



Red (100%)

Yellow (31%)

Blue (20%)

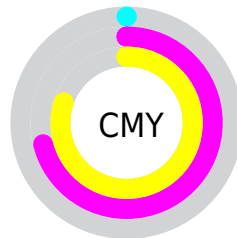


Cyan (0%)

Magenta (71%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (71%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3536, 26.5312, 5.9153 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 44.3536, 26.5312, 5.9153 by changing the saturation by 10% instead.





 44.3536, 26.5312,  
5.9153


 44.3536, 26.5312,  
5.9153


354.9772,  
285.3801, 167.5926


 31.1477, 17.2215,  
2.7257


 80.9926, 54.1307,  
18.2295

 20.8637, 10.3925,  
0.9563


 105.1564, 73.1892,  
28.1911


 13.1363, 5.6600,  
0.0000


 133.7036, 96.2661,  
41.2471

 7.6001, 2.6394,  
0.0000

 166.9995,  
123.7457, 57.8161

 3.8898, 0.9465,  
0.0000

 205.4094,  
156.0126, 78.3167

 1.6400, 0.0000,  
0.0000

 249.2988,

 0.4183, 0.0000,

193.4510, 103.1672

0.0000

299.0329,  
236.4453, 132.7863

■ 0.0000, 0.0000,  
0.0000

■ 44.3536, 26.5312,  
5.9153

■ 44.3536, 26.5312,  
5.9153

■ 42.6717, 23.8344,  
3.2998

■ 46.8838, 30.4328,  
10.3322

■ 41.7043, 22.1892,  
2.0849

■ 50.3556, 35.6545,  
16.7986

■ 41.7043, 22.1891,  
2.0849

■ 54.8519, 42.3028,  
25.5245

■ 60.4458, 50.4724,  
36.6936

■ 67.2035, 60.2496,  
50.4708

75.1862, 71.7143,  
67.0065

84.4505, 84.9411,  
86.4398

95.0496, 99.9998,  
108.9000

# Harmonies

## Analogous

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



50.6210, 26.5312, 21.2919



44.3536, 26.5312, 5.9153



33.3119, 26.5312, 1.6555

# Triad

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



44.3536, 26.5312, 5.9153



10.8189, 26.5312, 12.5266



28.2579, 26.5312, 130.6399

# Complementary

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



44.3536, 26.5312, 5.9153



47.9874, 65.0683, 104.6372

# 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.



18.5529, 26.5312, 121.5618



44.3536, 26.5312, 5.9153



10.1576, 26.5312, 38.1048

# Square

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



44.3536, 26.5312, 5.9153



14.7214, 26.5312, 3.2397



12.5703, 26.5312, 81.0805



39.7939, 26.5312, 101.0009



# Rectangle

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



44.3536, 26.5312, 5.9153



25.7744, 26.5312, 1.1299



12.5703, 26.5312, 81.0805



24.6679, 26.5312, 132.2726

# Sweetspot

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



44.3542, 26.5328, 5.9157



71.8427, 66.9211, 60.0518



56.8755, 29.4084, 78.4277



14.7761, 13.4600, 11.6097



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.



44.3542, 26.5328, 5.9157



42.0219, 22.7344, 2.4663



57.5198, 52.8641, 10.3043



18.1815, 18.3312, 18.7243



21.8456, 11.7024, 1.1074

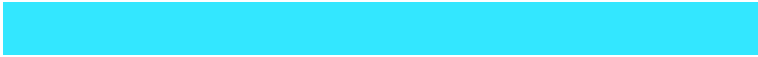


2.1796, 1.2445, 0.1253

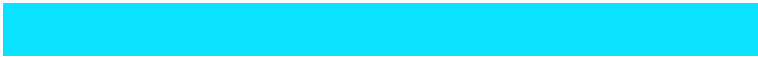


# Inverse Universe

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



47.9874, 65.0683, 104.6372



45.4244, 61.7793, 104.1382



27.2918, 23.6771, 97.7386



18.3616, 20.0948, 23.1609



23.5709, 32.0513, 54.3788



2.3444, 3.2196, 5.3111



# Previews

## White Background



This preview shows how the XYZ color 44.3536, 26.5312, 5.9153 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 44.3536, 26.5312, 5.9153 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 44.3536, 26.5312, 5.9153**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3536, 26.5312, 5.9153.



This preview shows how white text looks on a background with the XYZ color 44.3536, 26.5312,



# 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

44.3536, 26.5312, 5.9153

### Protanopia

24.3407, 26.5599, 9.6380

### Deuteranopia

26.9599, 26.5187, 5.2878



## Tritanopia

44.9271, 26.5469, 9.5936

# Trichromacy



## Original Color

44.3536, 26.5312, 5.9153

## Protanomaly

28.9967, 24.2879, 7.8624

## Deuteranomaly

31.4822, 24.9495, 5.2543

## Tritanomaly

44.7019, 26.5628, 8.0813

# Monochromacy



## Original Color

44.3536, 26.5312, 5.9153

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

24.7434, 20.3005, 14.4186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3536, 26.5312, 5.9153 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, 75, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 75, 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, 75, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 75, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3536, 26.5312, 5.9153 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, 75, 51) }
```



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

```
.border{ border-color:rgb(255, 75, 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, 75, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 75, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 75, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 75,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3536, 26.5312, 5.9153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 75, 51) }
```

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

```
.background{ background-color: rgb(255, 75,  
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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