

# Converting Colors

XYZ(44.3947, 33.2504, 8.2051)

Have a look what the booklet for  
XYZ(44.3947, 33.2504, 8.2051)  
contains.

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# Color

**XYZ(44.4903, 33.3589,  
8.2317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F27B3B
RGB	242, 123, 59
RGB Percent	95%, 48%, 23%
CMY	0.0510, 0.5176, 0.7686
CMYK	0.00, 0.49, 0.76, 0.05
HSL	21°, 88%, 59%
HSV	21°, 76%, 95%
XYZ	44.4903, 33.3589, 8.2317
YIQ	151.2850, 91.4680, 5.3240

# Conversions

## Conversions Part 2

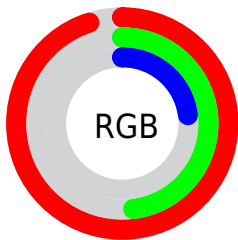
Format	Color
R <sub>Y</sub> B	242, 157, 59
Decimal	15891259
CIE Lab	64.45, 41.45, 54.14
CIE LCh	64, 68.186, 52.561
Yxy	33.3589, 0.5168, 0.3875
Android (android.graphics.Color)	4294081339 (0xFFFF27B3B)
YUV	151.2850, -45.4965, 79.5571
Hunter-Lab	57.7572, 36.4234, 31.9799

# Details

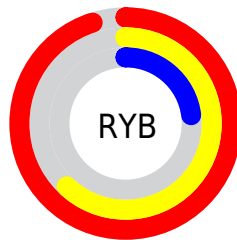
The XYZ color **44.4903, 33.3589, 8.2317** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **33.7498, 39.1789, 89.7872**, and the grayscale version is **29.7001, 31.2468, 34.0278**.

A 20% lighter version of the original color is **59.7766, 53.8301, 21.9915**, and **20.8601, 14.0968, 1.7076** is the 20% darker color. If you saturate the color by 10%, you get **42.2042, 29.5695, 5.0578**, and if you desaturate by 10%, it is **47.3823, 37.8958, 13.0419**.

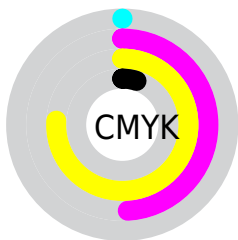
# Distribution



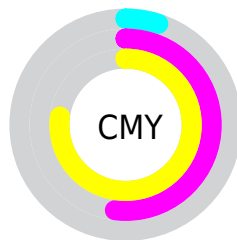
- Red (95%)
- Green (48%)
- Blue (23%)



- Red (95%)
- Yellow (62%)
- Blue (23%)



- Cyan (0%)
- Magenta (49%)
- Yellow (76%)
- Black (5%)




- Cyan (5%)
- Magenta (52%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4903, 33.3589, 8.2317 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 44.4903, 33.3589, 8.2317 by changing the saturation by 10% instead.





 44.4903, 33.3589,  
8.2317


 44.4903, 33.3589,  
8.2317


355.5238,  
317.2639, 187.5402

 31.2557, 22.4015,  
4.1537


 81.1968, 64.9355,  
22.9651

 20.9464, 14.1522,  
1.7100


 105.3994, 86.3234,  
34.4575


 13.1971, 8.2266,  
0.3676


 133.9888,  
111.9571, 49.2584

 7.6423, 4.2403,  
0.0000

 167.3302,  
142.2207, 67.7864

 3.9168, 1.8089,  
0.0000

 205.7891,  
177.4989, 90.4601

 1.6552, 0.4927,  
0.0000

 249.7307,

 0.4280, 0.0000,

218.1758, 117.6979

0.0000

299.5205,  
264.6360, 149.9184

■ 0.0000, 0.0000,  
0.0000

■ 44.4903, 33.3589,  
8.2317

■ 44.4903, 33.3589,  
8.2317

■ 42.2042, 29.5695,  
5.0578

■ 47.3823, 37.8958,  
13.0419

■ 40.4629, 26.4745,  
3.2821


■ 50.9275, 43.2168,  
19.6785


■ 39.8381, 25.3179,  
2.7871


■ 55.1703, 49.3622,  
28.3073

■ 60.1501, 56.3676,  
39.0743

■ 65.9030, 64.2664,  
52.1121

 72.4627, 73.0898,  
67.5421

 79.8606, 82.8679,  
85.4774

 88.1265, 93.6289,  
106.0234

 90.4277, 97.6171,  
108.6837

# Harmonies

## Analogous

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



52.3052, 33.3589, 19.4033



44.4903, 33.3589, 8.2317



34.1905, 33.3589, 4.8910

# Triad

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



44.4903, 33.3589, 8.2317



16.5415, 33.3589, 29.8188



39.4375, 33.3589, 111.6429

# Complementary

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



44.4903, 33.3589, 8.2317



33.7498, 39.1789, 89.7872

# 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.



29.3461, 33.3589, 119.5344



44.4903, 33.3589, 8.2317



17.3809, 33.3589, 60.9930

# Square

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



44.4903, 33.3589, 8.2317



19.0539, 33.3589, 12.5204



21.6413, 33.3589, 97.6137



48.9965, 33.3589, 79.5868



# Rectangle

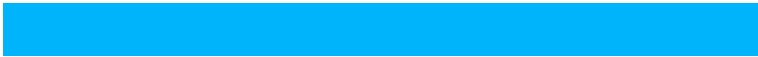
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.4903, 33.3589, 8.2317



27.8105, 33.3589, 5.1126



21.6413, 33.3589, 97.6137



35.9506, 33.3589, 117.7049

# Sweetspot

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



44.4911, 33.3607, 8.2323



76.0214, 74.8169, 62.8680



46.5222, 25.3414, 46.1555



15.7293, 15.2781, 12.1994



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.



44.4911, 33.3607, 8.2323



46.3558, 31.2449, 4.3956



60.8257, 66.0301, 13.6772



16.2250, 16.6631, 16.5109



21.5171, 13.8323, 1.5358



1.8800, 1.3307, 0.1578



# Inverse Universe

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



33.7498, 39.1789, 89.7872



33.5069, 37.6109, 100.1014



21.4449, 14.5692, 85.6856



15.7550, 16.9442, 20.1618



15.2524, 16.7291, 47.5530



1.3617, 1.5774, 3.9869



# Previews

## White Background



This preview shows how the XYZ color 44.4903, 33.3589, 8.2317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 44.4903, 33.3589, 8.2317 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.4903, 33.3589, 8.2317**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4903, 33.3589, 8.2317.



This preview shows how white text looks on a background with the XYZ color 44.4903, 33.3589,



# 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

44.4903, 33.3589, 8.2317

### Protanopia

30.5867, 33.5423, 10.4924

### Deuteranopia

34.1322, 33.4786, 7.9119



## Tritanopia

47.5397, 33.3585, 23.0020

# Trichromacy



**Original Color**

44.4903, 33.3589, 8.2317

**Protanomaly**

34.6327, 32.7746, 9.5018

**Deuteranomaly**

37.5082, 33.1781, 8.0416

**Tritanomaly**

46.2053, 33.3468, 16.0579

# Monochromacy



**Original Color**

44.4903, 33.3589, 8.2317

**Achromatopsia**

29.4150, 30.9469, 33.7012

**Achromatomaly**

32.5621, 30.5481, 21.3197

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4903, 33.3589, 8.2317 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(242, 123, 59)` looks like.

```
.text, #text, p{  
    color:rgb(242, 123, 59)  
}
```

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(242, 123, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 123, 59) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4903, 33.3589, 8.2317 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(242, 123, 59) }
```



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

```
.border{ border-color:rgb(242, 123, 59) }
```

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

Here you see how a box with a 4 pixel rgb(242, 123, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 123, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 123, 59);  
box-shadow:4px 4px 4px 4px rgb(242, 123,  
59) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4903, 33.3589, 8.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 123, 59) }
```

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

```
.background{ background-color: rgb(242,  
123, 59) }
```

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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