

Converting Colors

XYZ(51.5051, 43.3822, 9.2734)

Have a look what the booklet for
XYZ(51.5051, 43.3822, 9.2734)
contains.

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Color

**XYZ(51.5052, 43.3823,
9.2734)**

Conversions

Conversions Part 1

Format	Color
Hex	FA9937
RGB	250, 153, 55
RGB Percent	98%, 60%, 22%
CMY	0.0196, 0.4000, 0.7843
CMYK	0.00, 0.39, 0.78, 0.02
HSL	30°, 95%, 60%
HSV	30°, 78%, 98%
XYZ	51.5052, 43.3823, 9.2734
YIQ	170.8310, 89.2700, -9.9140

Conversions

Conversions Part 2

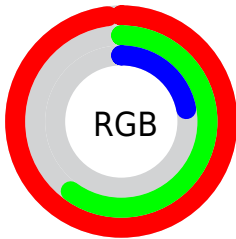
Format	Color
R _Y B	248, 250, 55
Decimal	16423223
CIE Lab	71.81, 29.13, 63.41
CIE LCh	72, 69.780, 65.326
Yxy	43.3823, 0.4945, 0.4165
Android (android.graphics.Color)	4294613303 (0xFFFA9937)
YUV	170.8310, -57.1047, 69.4312
Hunter-Lab	65.8652, 24.3190, 37.7580

Details

The XYZ color **51.5052, 43.3823, 9.2734** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.0584, 30.1693, 94.6809**, and the grayscale version is **38.8713, 40.8956, 44.5353**.

A 20% lighter version of the original color is **66.5562, 67.4759, 23.9843**, and **25.3927, 19.9987, 2.5218** is the 20% darker color. If you saturate the color by 10%, you get **49.1204, 39.3414, 6.2332**, and if you desaturate by 10%, it is **54.4072, 47.9732, 13.9822**.

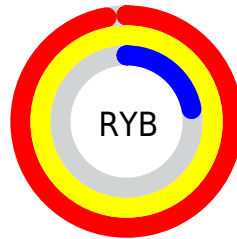
Distribution



Red (98%)

Green (60%)

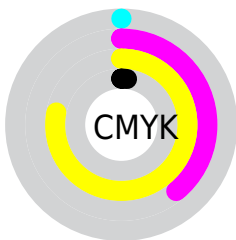
Blue (22%)



Red (97%)

Yellow (98%)

Blue (22%)

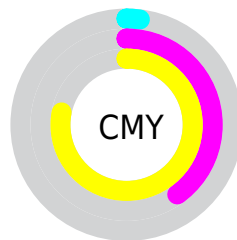


Cyan (0%)

Magenta (39%)

Yellow (78%)

Black (2%)



Cyan (2%)


Magenta (40%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5052, 43.3823, 9.2734 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 51.5052, 43.3823, 9.2734 by changing the saturation by 10% instead.


 51.5052, 43.3823,
9.2734


 51.5052, 43.3823,
9.2734


382.8788,
360.1816, 195.6971

 36.8335, 30.1852,
4.8207


 91.5797, 80.2874,
25.0056


 25.2517, 19.9792,
2.0856


 117.7131,
104.7643, 37.1223

 16.3944, 12.3799,
0.6071


 148.3979,
133.7698, 52.6306

 9.8963, 7.0030,
0.0000

 183.9994,
167.6884, 71.9492

 5.3920, 3.4640,
0.0000

 224.8828,
206.9045, 95.4966

 2.5161, 1.3785,
0.0000

 271.4136,

 0.9034, 0.2008,

251.8025, 123.6914

0.0000

323.9572,
302.7667, 156.9520

■ 0.0000, 0.0000,
0.0000

■ 51.5052, 43.3823,
9.2734

■ 51.5052, 43.3823,
9.2734

■ 49.1204, 39.3414,
6.2332

■ 54.4072, 47.9732,
13.9822

■ 47.1886, 35.8090,
4.5684

■ 57.8701, 53.1359,
20.5715

■ 46.8401, 35.1558,
4.3170

■ 61.9348, 58.8981,
29.2242

■ 66.6371, 65.2833,
40.1003

■ 72.0096, 72.3132,
53.3440

78.0822, 80.0085,
69.0871

84.8830, 88.3885,
87.4516

92.4379, 97.4715,
108.5496

93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



62.7784, 43.3823, 18.6416



51.5052, 43.3823, 9.2734



39.1530, 43.3823, 7.4836

Triad

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



51.5052, 43.3823, 9.2734



22.4402, 43.3823, 53.5607



55.8753, 43.3823, 123.0707

Complementary

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



51.5052, 43.3823, 9.2734



30.0584, 30.1693, 94.6809

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.



43.3866, 43.3823, 146.6717



51.5052, 43.3823, 9.2734



25.2858, 43.3823, 95.9582

Square

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



51.5052, 43.3823, 9.2734



23.7886, 43.3823, 24.8804



32.4273, 43.3823, 134.9089



65.6215, 43.3823, 80.0832

Rectangle

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



51.5052, 43.3823, 9.2734



32.2276, 43.3823, 9.3797



32.4273, 43.3823, 134.9089



51.7781, 43.3823, 134.2785

Sweetspot

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



51.5062, 43.3846, 9.2742



78.3931, 79.5603, 63.6586



46.4991, 25.3400, 32.3618



16.2983, 16.4161, 12.3891



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.



51.5062, 43.3846, 9.2742



50.1005, 38.8395, 5.3194



74.2992, 88.9705, 16.8719



17.9655, 18.6669, 18.1186



24.9897, 18.9361, 2.3379



2.4205, 1.9659, 0.2519

Inverse Universe

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



30.0584, 30.1693, 94.6809



26.8502, 24.5206, 97.9255



20.1973, 10.4471, 91.3939



16.9962, 18.0693, 21.9772



13.1431, 11.6417, 49.5279



1.3232, 1.2901, 4.6225

Previews

White Background



This preview shows how the XYZ color 51.5052, 43.3823, 9.2734 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 51.5052, 43.3823, 9.2734 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 51.5052, 43.3823, 9.2734

Background



This preview shows how black text looks on a background with the XYZ color 51.5052, 43.3823, 9.2734.



This preview shows how white text looks on a background with the XYZ color 51.5052, 43.3823,

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

51.5052, 43.3823, 9.2734

Protanopia

39.5904, 43.6515, 10.7538

Deuteranopia

44.2132, 43.2399, 9.0335



Tritanopia

56.8952, 43.2380, 35.9189

Trichromacy



Original Color

51.5052, 43.3823, 9.2734

Protanomaly

43.1110, 42.9200, 10.1499

Deuteranomaly

46.8189, 43.2444, 9.1282

Tritanomaly

54.2117, 43.0581, 22.5933

Monochromacy



Original Color

51.5052, 43.3823, 9.2734

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.0573, 40.4153, 26.4058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5052, 43.3823, 9.2734 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(250, 153, 55)` looks like.

```
.text, #text, p{  
    color:rgb(250, 153, 55)  
}
```

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(250, 153, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 153, 55) }
```

Border

The CSS property to change the border of an element to XYZ 51.5052, 43.3823, 9.2734 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(250, 153, 55) }
```


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

```
.border{ border-color:rgb(250, 153, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 153, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 153, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 153, 55);  
box-shadow:4px 4px 4px 4px rgb(250, 153,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5052, 43.3823, 9.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 153, 55) }
```

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

```
.background{ background-color: rgb(250,  
153, 55) }
```

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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