

Converting Colors

XYZ(51.4500, 43.8418, 5.7506)

Have a look what the booklet for
XYZ(51.4500, 43.8418, 5.7506)
contains.

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Color

**XYZ(51.5050, 43.9519,
5.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	FB9B00
RGB	251, 155, 0
RGB Percent	98%, 61%, 0%
CMY	0.0157, 0.3921, 0.9999
CMYK	0.00, 0.38, 1.00, 0.02
HSL	37°, 100%, 49%
HSV	37°, 100%, 98%
XYZ	51.5050, 43.9519, 5.7690
YIQ	166.0340, 106.9710, -27.8530

Conversions

Conversions Part 2

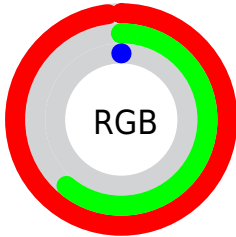
Format	Color
RYB	155, 251, 0
Decimal	16489216
CIELab	72.20, 27.48, 76.94
CIElCh	72, 81.705, 70.346
Yxy	43.9519, 0.5088, 0.4342
Android (android.graphics.Color)	4294679296 (0xFFFB9B00)
YUV	166.0340, -81.8548, 74.5152
Hunter-Lab	66.2962, 22.6568, 41.2480

Details

The XYZ color **51.5050, 43.9519, 5.7690** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **21.5962, 15.3322, 93.0872**, and the grayscale version is **36.6113, 38.5179, 41.9460**.

A 20% lighter version of the original color is **65.6261, 67.8890, 16.6662**, and **25.5893, 20.3919, 2.5873** is the 20% darker color. If you saturate the color by 10%, you get **51.5049, 43.9522, 5.7690**, and if you desaturate by 10%, it is **53.3444, 47.3485, 7.2539**.

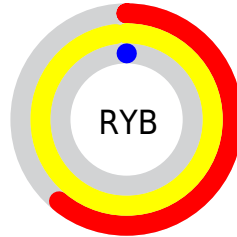
Distribution



Red (98%)

Green (61%)

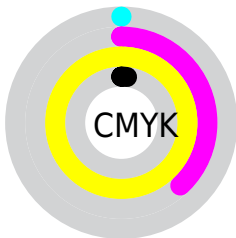
Blue (0%)



Red (61%)

Yellow (98%)

Blue (0%)

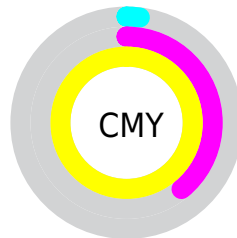


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5050, 43.9519, 5.7690 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 51.5050, 43.9519, 5.7690 by changing the saturation by 10% instead.


 51.5050, 43.9519,
5.7690


 51.5050, 43.9519,
5.7690


382.8781,
362.5120, 166.2253

 36.8333, 30.6327,
2.6386


 91.5794, 81.1454,
17.9188


 25.2516, 20.3193,
0.9123


 117.7128,
105.7884, 27.7754

 16.3943, 12.6274,
0.0000


 148.3975,
134.9749, 40.7110

 9.8962, 7.1725,
0.0000

 183.9989,
169.0891, 57.1444

 5.3919, 3.5702,
0.0000

 224.8823,
208.5155, 77.4939

 2.5161, 1.4362,
0.0000

 271.4130,

 0.9034, 0.2431,

253.6386, 102.1783

0.0000

323.9565,
304.8426, 131.6159

0.0000, 0.0000,
0.0000

51.5050, 43.9519,
5.7690

51.5050, 43.9519,
5.7690

51.5049, 43.9522,
5.7690

53.3444, 47.3485,
7.2539

55.5398, 51.0933,
9.9768

58.1645, 55.2221,
14.3067

61.2637, 59.7571,
20.4676

64.8754, 64.7177,
28.6475

69.0333, 70.1214,
39.0109

73.7676, 75.9843,
51.7050

79.1061, 82.3212,
66.8645

85.0745, 89.1462,
84.6132

Harmonies

Analogous

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



65.8500, 43.9519, 13.2730



51.5050, 43.9519, 5.7690



37.1219, 43.9519, 5.0139

Triad

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



51.5050, 43.9519, 5.7690



20.4851, 43.9519, 63.0900



61.7519, 43.9519, 134.0115

Complementary

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



51.5050, 43.9519, 5.7690



21.5962, 15.3322, 93.0872

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.



46.8015, 43.9519, 170.9216



51.5050, 43.9519, 5.7690



24.4253, 43.9519, 117.1839

Square

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



51.5050, 43.9519, 5.7690



21.1966, 43.9519, 26.3171



33.3547, 43.9519, 163.4627



72.6216, 43.9519, 78.7728

Rectangle

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



51.5050, 43.9519, 5.7690



29.5908, 43.9519, 7.3821



33.3547, 43.9519, 163.4627



56.9144, 43.9519, 150.0678

Sweetspot

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



51.5060, 43.9542, 5.7698



76.4523, 78.7468, 53.5533



41.9052, 21.3581, 13.0348



15.9049, 16.2936, 10.2098



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.



51.5060, 43.9542, 5.7698



53.3770, 45.5340, 5.9757



64.5348, 84.4789, 12.9052



18.1373, 19.0104, 18.1758



27.2185, 23.3937, 3.0809



2.6233, 2.3715, 0.3195

Inverse Universe

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



21.5962, 15.3322, 93.0872



22.3736, 15.8673, 96.4912



17.9277, 7.2309, 91.7168



16.8272, 17.7312, 21.9209



11.4812, 8.3179, 48.9740



1.1622, 0.9682, 4.5688

Previews

White Background



This preview shows how the XYZ color 51.5050, 43.9519, 5.7690 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 51.5050, 43.9519, 5.7690 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 51.5050, 43.9519, 5.7690

Background



This preview shows how black text looks on a background with the XYZ color 51.5050, 43.9519, 5.7690.



This preview shows how white text looks on a background with the XYZ color 51.5050, 43.9519,

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

51.5050, 43.9519, 5.7690

Protanopia

39.8490, 44.1638, 6.9965

Deuteranopia

44.7431, 43.8526, 6.1062



Tritanopia

57.2818, 43.8774, 36.4604

Trichromacy



Original Color

51.5050, 43.9519, 5.7690

Protanomaly

43.6485, 43.8337, 6.4768

Deuteranomaly

47.0289, 43.6868, 5.9537

Tritanomaly

53.8726, 43.4666, 17.3549

Monochromacy



Original Color

51.5050, 43.9519, 5.7690

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

38.5478, 38.7516, 19.0838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5050, 43.9519, 5.7690 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(251, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 155, 0)  
}
```

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(251, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 155, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.5050, 43.9519, 5.7690 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(251, 155, 0) }
```


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

```
.border{ border-color:rgb(251, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 155,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5050, 43.9519, 5.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 155, 0) }
```

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

```
.background{ background-color: rgb(251,  
155, 0) }
```

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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