

# Converting Colors

XYZ(52.1640, 43.0402, 5.7803)

Have a look what the booklet for  
XYZ(52.1640, 43.0402, 5.7803)  
contains.

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# **Color**

**XYZ(52.1902, 43.0902,  
5.7963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9608
RGB	255, 150, 8
RGB Percent	100%, 59%, 3%
CMY	0.0000, 0.4117, 0.9686
CMYK	0.00, 0.41, 0.97, 0.00
HSL	34°, 100%, 52%
HSV	34°, 97%, 100%
XYZ	52.1902, 43.0902, 5.7963
YIQ	165.2070, 108.1620, -21.9020

# Conversions

## Conversions Part 2

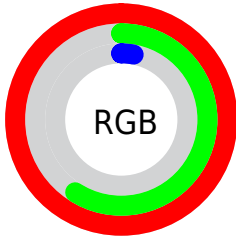
Format	Color
R <sub>Y</sub> B	191, 255, 8
Decimal	16750088
CIE Lab	71.62, 31.78, 75.83
CIE LCh	72, 82.217, 67.260
Yxy	43.0902, 0.5163, 0.4263
Android (android.graphics.Color)	4294940168 (0xFFFF9608)
YUV	165.2070, -77.5031, 78.7485
Hunter-Lab	65.6431, 27.0427, 40.7149

# Details

The XYZ color **52.1902, 43.0902, 5.7963** 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 **24.0561, 19.0835, 97.0226**, and the grayscale version is **36.1899, 38.0746, 41.4632**.

A 20% lighter version of the original color is **64.4826, 65.4872, 16.6388**, and **25.8535, 19.8117, 2.4614** is the 20% darker color. If you saturate the color by 10%, you get **51.6114, 42.0032, 5.3872**, and if you desaturate by 10%, it is **54.2397, 46.8090, 7.6533**.

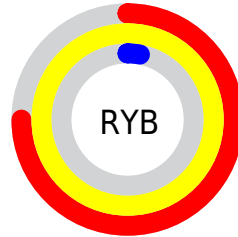
# Distribution



Red (100%)

Green (59%)

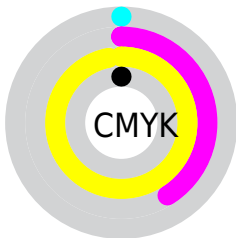
Blue (3%)



Red (75%)

Yellow (100%)

Blue (3%)

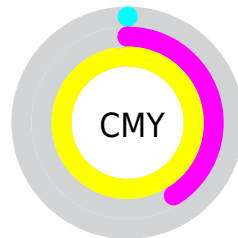


Cyan (0%)

Magenta (41%)

Yellow (97%)

Black (0%)



Cyan (0%)

Magenta (41%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1902, 43.0902, 5.7963 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 52.1902, 43.0902, 5.7963 by changing the saturation by 10% instead.





 52.1902, 43.0902,  
5.7963

 52.1902, 43.0902,  
5.7963


385.4824,  
358.9826, 166.4816

 37.3816, 29.9559,  
2.6548


 92.5842, 79.8470,  
17.9769

 25.6781, 19.8051,  
0.9206


 118.9004,  
104.2382, 27.8532


 16.7144, 12.2535,  
0.0000


 149.7831,  
133.1505, 40.8114

 10.1251, 6.9165,  
0.0000

 185.5977,  
166.9684, 57.2702

 5.5449, 3.4100,  
0.0000

 226.7096,  
206.0761, 77.6481

 2.6084, 1.3493,  
0.0000

 273.4841,

 0.9502, 0.1789,

250.8581, 102.3636

0.0000

326.2866,  
301.6988, 131.8352

0.0000, 0.0000,  
0.0000

52.1902, 43.0902,  
5.7963

52.1902, 43.0902,  
5.7963

51.6114, 42.0032,  
5.3872

54.2397, 46.8090,  
7.6533

56.7226, 50.9619,  
10.9867

59.6963, 55.5803,  
16.0754

63.2062, 60.6884,  
23.1388

67.2913, 66.3078,  
32.3642

71.9864, 72.4583,  
43.9168

77.3230, 79.1581,  
57.9454

83.3303, 86.4242,  
74.5865

90.0353, 94.2729,  
93.9665

# Harmonies

## Analogous

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



66.1470, 43.0902, 14.1420



52.1902, 43.0902, 5.7963



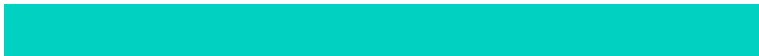
37.6678, 43.0902, 4.5699

# Triad

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



52.1902, 43.0902, 5.7963



19.7394, 43.0902, 57.2799



59.3788, 43.0902, 138.1131

# Complementary

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



52.1902, 43.0902, 5.7963



24.0561, 19.0835, 97.0226

# 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.



44.4301, 43.0902, 171.3216



52.1902, 43.0902, 5.7963



23.1424, 43.0902, 110.2593

# Square

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



52.1902, 43.0902, 5.7963



20.9081, 43.0902, 23.0987



31.4619, 43.0902, 158.9671



70.9101, 43.0902, 83.1969



# Rectangle

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



52.1902, 43.0902, 5.7963



29.8853, 43.0902, 6.4530



31.4619, 43.0902, 158.9671



54.4699, 43.0902, 153.2763

# Sweetspot

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



52.1911, 43.0925, 5.7971



76.1243, 77.6756, 54.7237



44.4236, 22.6726, 18.2671



15.8022, 16.0104, 10.4158



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.



52.1911, 43.0925, 5.7971



51.6117, 42.0035, 5.3872



71.2430, 89.8067, 13.8097



18.8766, 19.7213, 18.9560



27.1194, 22.2500, 2.8653



2.7489, 2.3831, 0.3151



# Inverse Universe

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



24.0561, 19.0835, 97.0226



23.4548, 18.0295, 96.8516



18.5251, 7.5941, 95.0965



17.6378, 18.6472, 22.9196



12.3962, 9.7021, 50.6539



1.3125, 1.1558, 4.9672



# Previews

## White Background



This preview shows how the XYZ color 52.1902, 43.0902, 5.7963 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 52.1902, 43.0902, 5.7963 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 52.1902, 43.0902, 5.7963**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1902, 43.0902, 5.7963.



This preview shows how white text looks on a background with the XYZ color 52.1902, 43.0902,



# 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

52.1902, 43.0902, 5.7963

### Protanopia

38.9494, 43.1106, 6.9778

### Deuteranopia

43.9429, 43.1670, 6.0160



## Tritanopia

56.7300, 43.1719, 35.0488

# Trichromacy



## Original Color

52.1902, 43.0902, 5.7963

## Protanomaly

43.1257, 42.7349, 6.4659

## Deuteranomaly

46.6930, 42.9887, 5.9228

## Tritanomaly

53.8191, 42.7379, 17.4692

# Monochromacy



## Original Color

52.1902, 43.0902, 5.7963

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

38.5663, 38.2301, 19.5338

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1902, 43.0902, 5.7963 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, 150, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 8)  
}
```

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, 150, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 8) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1902, 43.0902, 5.7963 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, 150, 8) }
```



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

```
.border{ border-color:rgb(255, 150, 8) }
```

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

Here you see how a box with a 4 pixel rgb(255, 150, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
8) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1902, 43.0902, 5.7963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 8) }
```

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

```
.background{ background-color: rgb(255,  
150, 8) }
```

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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