

# Converting Colors

XYZ(53.0876, 44.4334, 4.5803)

Have a look what the booklet for  
XYZ(53.0876, 44.4334, 4.5803)  
contains.

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# **Color**

**XYZ(52.7956, 44.3712,  
5.7819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9A00
RGB	255, 154, 0
RGB Percent	100%, 60%, 0%
CMY	0.0000, 0.3960, 0.9999
CMYK	0.00, 0.40, 1.00, 0.00
HSL	36°, 100%, 50%
HSV	36°, 100%, 100%
XYZ	52.7956, 44.3712, 5.7819
YIQ	166.6430, 109.6300, -26.4820

# Conversions

## Conversions Part 2

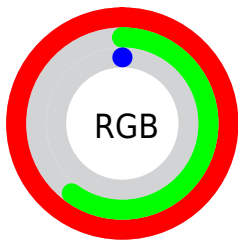
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	167, 255, 0
Decimal	16751104
CIE <sub>Lab</sub>	72.48, 29.65, 77.37
CIE <sub>LCh</sub>	72, 82.858, 69.031
Yxy	44.3712, 0.5128, 0.4310
Android (android.graphics.Color)	4294941184 (0xFFFF9A00)
YUV	166.6430, -82.1550, 77.4891
Hunter-Lab	66.6117, 24.9064, 41.4818

# Details

The XYZ color **52.7956, 44.3712, 5.7819** 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 **22.7044, 16.5287, 96.6006**, and the grayscale version is **36.9085, 38.8306, 42.2865**.

A 20% lighter version of the original color is **65.3800, 67.3968, 16.5842**, and **26.2372, 20.5791, 2.5893** is the 20% darker color. If you saturate the color by 10%, you get **52.7955, 44.3715, 5.7819**, and if you desaturate by 10%, it is **54.7154, 47.9216, 7.3151**.

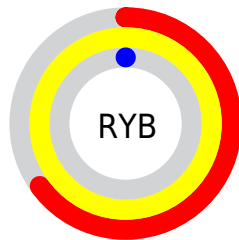
# Distribution



Red (100%)

Green (60%)

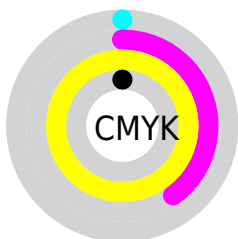
Blue (0%)



Red (65%)

Yellow (100%)

Blue (0%)

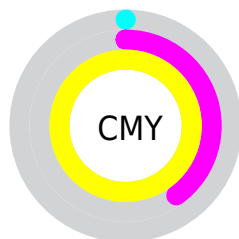


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7956, 44.3712, 5.7819 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 52.7956, 44.3712, 5.7819 by changing the saturation by 10% instead.





 52.7956, 44.3712,  
5.7819

 52.7956, 44.3712,  
5.7819


387.7741,  
364.2209, 166.3465

 37.8664, 30.9624,  
2.6463


 93.4708, 81.7760,  
17.9463

 26.0558, 20.5702,  
0.9162


 119.9476,  
106.5409, 27.8121


 16.9983, 12.8102,  
0.0000


 151.0043,  
135.8599, 40.7585

 10.3286, 7.2980,  
0.0000

 187.0063,  
170.1174, 57.2039

 5.6813, 3.6492,  
0.0000

 228.3189,  
209.6979, 77.5668

 2.6911, 1.4793,  
0.0000

 275.3075,

 0.9926, 0.2741,

254.9857, 102.2659

0.0000

328.3375,  
306.3652, 131.7196

0.0000, 0.0000,  
0.0000

52.7956, 44.3712,  
5.7819

52.7956, 44.3712,  
5.7819

52.7955, 44.3715,  
5.7819

54.7154, 47.9216,  
7.3151

57.0136, 51.8511,  
10.1370

59.7664, 56.1974,  
14.6288

63.0210, 60.9842,  
21.0238

66.8175, 66.2324,  
29.5174

71.1909, 71.9607,  
40.2809

76.1730, 78.1864,  
53.4675

81.7931, 84.9255,  
69.2171

88.0782, 92.1933,  
87.6586

# Harmonies

## Analogous

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



67.3340, 44.3712, 13.7602



52.7956, 44.3712, 5.7819



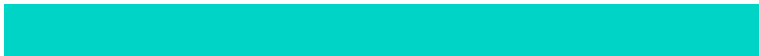
38.0041, 44.3712, 4.8126

# Triad

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



52.7956, 44.3712, 5.7819



20.4339, 44.3712, 61.7536



61.9609, 44.3712, 138.9013

# Complementary

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



52.7956, 44.3712, 5.7819



22.7044, 16.5287, 96.6006

# 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.



46.6372, 44.3712, 175.2301



52.7956, 44.3712, 5.7819



24.2210, 44.3712, 116.7816

# Square

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



52.7956, 44.3712, 5.7819



21.3604, 44.3712, 25.2608



33.0812, 44.3712, 165.4150



73.4018, 44.3712, 82.3176



# Rectangle

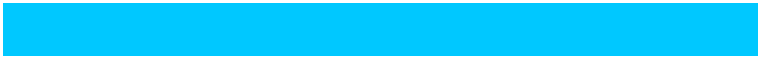
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.7956, 44.3712, 5.7819



30.1907, 44.3712, 6.9938



33.0812, 44.3712, 165.4150



56.9693, 44.3712, 155.0153

# Sweetspot

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



52.7966, 44.3735, 5.7827



76.1705, 78.1832, 53.4594



43.6385, 22.2196, 14.5614



15.8377, 16.1594, 10.1874



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.



52.7966, 44.3735, 5.7827



52.7959, 44.3719, 5.7820



68.2329, 88.2599, 13.4401



18.9221, 19.8124, 18.9712



27.7369, 23.4850, 3.0712



2.8074, 2.5001, 0.3346



# Inverse Universe

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



22.7044, 16.5287, 96.6006



22.7035, 16.5270, 96.6012



18.4637, 7.4335, 95.0686



17.5933, 18.5581, 22.9048



11.9987, 8.9069, 50.5214



1.2713, 1.0733, 4.9534



# Previews

## White Background



This preview shows how the XYZ color 52.7956, 44.3712, 5.7819 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 52.7956, 44.3712, 5.7819 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 52.7956, 44.3712, 5.7819**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.7956, 44.3712, 5.7819.



This preview shows how white text looks on a background with the XYZ color 52.7956, 44.3712,



# 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

52.7956, 44.3712, 5.7819

### Protanopia

40.3250, 44.7047, 7.1196

### Deuteranopia

45.2393, 44.3835, 6.1825



## Tritanopia

57.6745, 44.5277, 37.0074

# Trichromacy



## Original Color

52.7956, 44.3712, 5.7819

## Protanomaly

44.2599, 44.1481, 6.5365

## Deuteranomaly

47.8675, 44.3838, 6.0440

## Tritanomaly

54.3985, 43.9735, 17.4250

# Monochromacy



## Original Color

52.7956, 44.3712, 5.7819

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

39.0750, 39.0234, 19.1085

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7956, 44.3712, 5.7819 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, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 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(255, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7956, 44.3712, 5.7819 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, 154, 0) }
```



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

```
.border{ border-color:rgb(255, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7956, 44.3712, 5.7819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 0) }
```

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

```
.background{ background-color: rgb(255,  
154, 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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