

Converting Colors

XYZ(52.6495, 43.6916, 6.9272)

Have a look what the booklet for
XYZ(52.6495, 43.6916, 6.9272)
contains.

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Color

**XYZ(52.7156, 43.8154,
6.9751)**

Conversions

Conversions Part 1

Format	Color
Hex	FF981F
RGB	255, 152, 31
RGB Percent	100%, 60%, 12%
CMY	0.0000, 0.4039, 0.8784
CMYK	0.00, 0.40, 0.88, 0.00
HSL	32°, 100%, 56%
HSV	32°, 88%, 100%
XYZ	52.7156, 43.8154, 6.9751
YIQ	169.0030, 100.2290, -15.7950

Conversions

Conversions Part 2

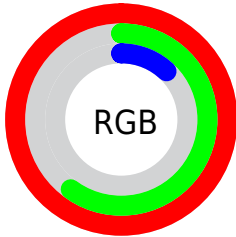
Format	Color
R _Y B	222, 255, 31
Decimal	16750623
CIE Lab	72.10, 31.04, 71.88
CIE LCh	72, 78.297, 66.641
Yxy	43.8154, 0.5093, 0.4233
Android (android.graphics.Color)	4294940703 (0xFFFF981F)
YUV	169.0030, -68.0355, 75.4194
Hunter-Lab	66.1932, 26.3175, 40.0876

Details

The XYZ color **52.7156, 43.8154, 6.9751** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **27.1398, 24.5608, 97.9174**, and the grayscale version is **38.0064, 39.9857, 43.5444**.

A 20% lighter version of the original color is **65.3983, 66.6238, 19.0857**, and **26.2954, 20.3208, 2.5364** is the 20% darker color. If you saturate the color by 10%, you get **50.6893, 40.1108, 5.2286**, and if you desaturate by 10%, it is **55.1936, 48.0055, 10.1635**.

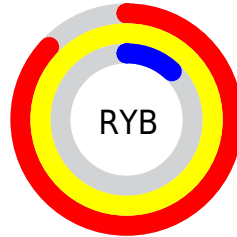
Distribution



Red (100%)

Green (60%)

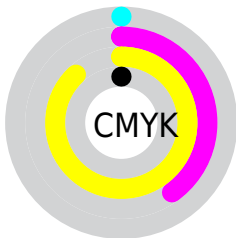
Blue (12%)



Red (87%)

Yellow (100%)

Blue (12%)

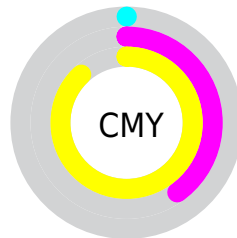


Cyan (0%)

Magenta (40%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7156, 43.8154, 6.9751 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 52.7156, 43.8154, 6.9751 by changing the saturation by 10% instead.


 52.7156, 43.8154,
6.9751

 52.7156, 43.8154,
6.9751


387.4718,
361.9544, 177.0797

 37.8024, 30.5254,
3.3683


 93.3537, 80.9399,
20.4351


 26.0058, 20.2377,
1.2856


 119.8093,
105.5432, 31.1254


 16.9607, 12.5680,
0.0500


 150.8431,
134.6864, 45.0140

 10.3016, 7.1317,
0.0000

 186.8204,
168.7538, 62.5194

 5.6632, 3.5446,
0.0000

 228.1065,
208.1300, 84.0601

 2.6801, 1.4222,
0.0000

 275.0669,

 0.9869, 0.2330,

253.1992, 110.0547

0.0000

328.0669,
304.3459, 140.9217

■ 0.0000, 0.0000,
0.0000

■ 52.7156, 43.8154,
6.9751

■ 52.7156, 43.8154,
6.9751

■ 50.6893, 40.1108,
5.2286

■ 55.1936, 48.0055,
10.1635

■ 50.2926, 39.3655,
4.9476

■ 58.1820, 52.7073,
15.0907

■ 61.7292, 57.9499,
21.9816

■ 65.8757, 63.7574,
31.0265

■ 70.6577, 70.1515,
42.3927

76.1080, 77.1528,
56.2307

82.2569, 84.7802,
72.6786

89.1326, 93.0518,
91.8639

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



65.9211, 43.8154, 15.8355



52.7156, 43.8154, 6.9751



38.7366, 43.8154, 5.5452

Triad

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



52.7156, 43.8154, 6.9751



20.9417, 43.8154, 56.7582



58.9871, 43.8154, 134.7550

Complementary

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



52.7156, 43.8154, 6.9751



27.1398, 24.5608, 97.9174

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.



44.6959, 43.8154, 164.8999



52.7156, 43.8154, 6.9751



24.2076, 43.8154, 106.6658

Square

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



52.7156, 43.8154, 6.9751



22.1914, 43.8154, 24.0290



32.2445, 43.8154, 152.5326



70.0508, 43.8154, 83.3407

Rectangle

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



52.7156, 43.8154, 6.9751



31.1299, 43.8154, 7.4826



32.2445, 43.8154, 152.5326



54.2962, 43.8154, 148.6890

Sweetspot

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



52.7166, 43.8177, 6.9759



77.1872, 78.5099, 59.0593



46.1409, 24.0045, 25.3214



16.0910, 16.2618, 11.5178



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.



52.7166, 43.8177, 6.9759



50.2929, 39.3658, 4.9476



74.5531, 91.4897, 15.0266



18.8223, 19.6128, 18.9379



26.4303, 20.8718, 2.6356



2.6828, 2.2509, 0.2931

Inverse Universe

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



27.1398, 24.5608, 97.9174



24.4403, 20.0005, 97.1801



19.3568, 8.6213, 95.2510



17.6912, 18.7540, 22.9374



12.9160, 10.7416, 50.8272



1.3654, 1.2614, 4.9848

Previews

White Background



This preview shows how the XYZ color 52.7156, 43.8154, 6.9751 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 52.7156, 43.8154, 6.9751 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 52.7156, 43.8154, 6.9751

Background



This preview shows how black text looks on a background with the XYZ color 52.7156, 43.8154, 6.9751.



This preview shows how white text looks on a background with the XYZ color 52.7156, 43.8154,

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

52.7156, 43.8154, 6.9751

Protanopia

39.8234, 44.1228, 8.2514

Deuteranopia

44.8443, 43.8930, 6.6390



Tritanopia

57.1981, 43.8439, 36.0199

Trichromacy



Original Color

52.7156, 43.8154, 6.9751

Protanomaly

43.7048, 43.5574, 7.6940

Deuteranomaly

47.3261, 43.5608, 6.6728

Tritanomaly

54.5902, 43.5439, 19.9956

Monochromacy



Original Color

52.7156, 43.8154, 6.9751

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.2464, 39.8057, 23.0148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7156, 43.8154, 6.9751 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, 152, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 31)  
}
```

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, 152, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 31) }
```

Border

The CSS property to change the border of an element to XYZ 52.7156, 43.8154, 6.9751 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, 152, 31) }
```


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

```
.border{ border-color:rgb(255, 152, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7156, 43.8154, 6.9751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 31) }
```

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

```
.background{ background-color: rgb(255,  
152, 31) }
```

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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