

Converting Colors

XYZ(52.6716, 43.8199, 6.6770)

Have a look what the booklet for
XYZ(52.6716, 43.8199, 6.6770)
contains.

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Color

**XYZ(52.6547, 43.7911,
6.6546)**

Conversions

Conversions Part 1

Format	Color
Hex	FF981A
RGB	255, 152, 26
RGB Percent	100%, 60%, 10%
CMY	0.0000, 0.4039, 0.8980
CMYK	0.00, 0.40, 0.90, 0.00
HSL	33°, 100%, 55%
HSV	33°, 90%, 100%
XYZ	52.6547, 43.7911, 6.6546
YIQ	168.4330, 101.8340, -17.3500

Conversions

Conversions Part 2

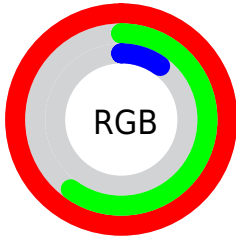
Format	Color
R _Y B	213, 255, 26
Decimal	16750618
CIE Lab	72.09, 30.96, 73.10
CIE LCh	72, 79.381, 67.048
Yxy	43.7911, 0.5107, 0.4247
Android (android.graphics.Color)	4294940698 (0xFFFF981A)
YUV	168.4330, -70.2195, 75.9193
Hunter-Lab	66.1748, 26.2248, 40.3601

Details

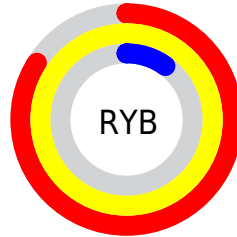
The XYZ color **52.6547, 43.7911, 6.6546** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **26.3260, 23.1396, 97.6858**, and the grayscale version is **37.7338, 39.6989, 43.2321**.

A 20% lighter version of the original color is **65.2731, 66.5738, 18.4266**, and **26.2954, 20.3208, 2.5364** is the 20% darker color. If you saturate the color by 10%, you get **50.6995, 40.1750, 5.0969**, and if you desaturate by 10%, it is **55.0304, 47.8673, 9.5297**.

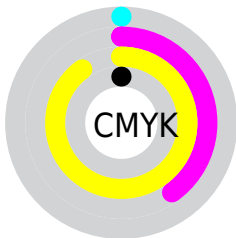
Distribution



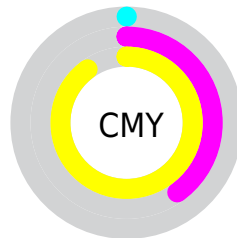
- Red (100%)
- Green (60%)
- Blue (10%)



- Red (84%)
- Yellow (100%)
- Blue (10%)



- Cyan (0%)
- Magenta (40%)
- Yellow (90%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6547, 43.7911, 6.6546 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 52.6547, 43.7911, 6.6546 by changing the saturation by 10% instead.


 52.6547, 43.7911,
6.6546


 52.6547, 43.7911,
6.6546


387.2415,
361.8551, 174.2826

 37.7536, 30.5063,
3.1719


 93.2646, 80.9033,
19.7758

 25.9678, 20.2232,
1.1831


 119.7041,
105.4995, 30.2514

 16.9321, 12.5574,
0.0000


 150.7203,
134.6350, 43.8950

 10.2811, 7.1245,
0.0000

 186.6788,
168.6941, 61.1252

 5.6494, 3.5401,
0.0000

 227.9448,
208.0613, 82.3605

 2.6717, 1.4198,
0.0000

 274.8837,

 0.9826, 0.2312,

253.1209, 108.0195

0.0000

327.8608,
304.2574, 138.5207

■ 0.0000, 0.0000,
0.0000

■ 52.6547, 43.7911,
6.6546

■ 52.6547, 43.7911,
6.6546

■ 50.6995, 40.1750,
5.0969

■ 55.0304, 47.8673,
9.5297

■ 50.6632, 40.1070,
5.0712

■ 57.8988, 52.4344,
14.0916

■ 61.3094, 57.5218,
20.5739

■ 65.3037, 63.1532,
29.1721

■ 69.9182, 69.3502,
40.0575

■ 75.1860, 76.1329,
53.3834

■ 81.1377, 83.5200,
69.2900

■ 87.8014, 91.5292,
87.9065

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



66.1277, 43.7911, 15.3324



52.6547, 43.7911, 6.6546



38.5004, 43.7911, 5.3155

Triad

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



52.6547, 43.7911, 6.6546



20.7178, 43.7911, 57.4556



59.4145, 43.7911, 135.7063

Complementary

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



52.6547, 43.7911, 6.6546



26.3260, 23.1396, 97.6858

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.



44.9082, 43.7911, 167.0235



52.6547, 43.7911, 6.6546



24.0699, 43.7911, 108.3985

Square

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



52.6547, 43.7911, 6.6546



21.9142, 43.7911, 24.0647



32.2495, 43.7911, 154.9764



70.5857, 43.7911, 83.1821

Rectangle

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



52.6547, 43.7911, 6.6546



30.8438, 43.7911, 7.2809



32.2495, 43.7911, 154.9764



54.6576, 43.7911, 150.0737

Sweetspot

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



52.6557, 43.7934, 6.6554



76.7837, 78.1412, 57.5738



45.5752, 23.5853, 22.9378



16.0198, 16.2030, 11.2359



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.



52.6557, 43.7934, 6.6554



50.6637, 40.1073, 5.0712



73.0983, 90.7466, 14.6408



18.8380, 19.6441, 18.9432



26.6242, 21.2596, 2.7003



2.7015, 2.2883, 0.2993

Inverse Universe

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



26.3260, 23.1396, 97.6858



24.1453, 19.4105, 97.0818



19.1988, 8.3608, 95.2089



17.6757, 18.7231, 22.9322



12.7606, 10.4308, 50.7754



1.3497, 1.2301, 4.9796

Previews

White Background



This preview shows how the XYZ color 52.6547, 43.7911, 6.6546 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 52.6547, 43.7911, 6.6546 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 52.6547, 43.7911, 6.6546

Background



This preview shows how black text looks on a background with the XYZ color 52.6547, 43.7911, 6.6546.



This preview shows how white text looks on a background with the XYZ color 52.6547, 43.7911,

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

52.6547, 43.7911, 6.6546

Protanopia

39.7481, 44.0927, 7.8546

Deuteranopia

44.7431, 43.8526, 6.1062



Tritanopia

57.1981, 43.8439, 36.0199

Trichromacy



Original Color

52.6547, 43.7911, 6.6546

Protanomaly

43.6357, 43.5297, 7.3305

Deuteranomaly

47.2306, 43.5226, 6.1698

Tritanomaly

54.4837, 43.5013, 19.4349

Monochromacy



Original Color

52.6547, 43.7911, 6.6546

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.8921, 39.3810, 22.0217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6547, 43.7911, 6.6546 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 26) }
```

Border

The CSS property to change the border of an element to XYZ 52.6547, 43.7911, 6.6546 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, 26) }
```


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

```
.border{ border-color:rgb(255, 152, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6547, 43.7911, 6.6546 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, 26) }
```

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

```
.background{ background-color: rgb(255,  
152, 26) }
```

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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