

Converting Colors

XYZ(52.8322, 44.4032, 6.6269)

Have a look what the booklet for
XYZ(52.8322, 44.4032, 6.6269)
contains.

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Color

**XYZ(52.9605, 44.4372,
6.6501)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9A18
RGB	255, 154, 24
RGB Percent	100%, 60%, 9%
CMY	0.0000, 0.3960, 0.9059
CMYK	0.00, 0.40, 0.91, 0.00
HSL	34°, 100%, 55%
HSV	34°, 91%, 100%
XYZ	52.9605, 44.4372, 6.6501
YIQ	169.3790, 101.9260, -19.0180

Conversions

Conversions Part 2

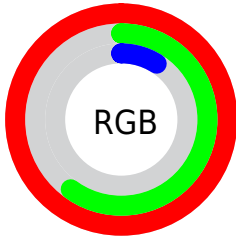
Format	Color
R _Y B	203, 255, 24
Decimal	16751128
CIE Lab	72.52, 29.89, 73.86
CIE LCh	73, 79.677, 67.967
Yxy	44.4372, 0.5090, 0.4271
Android (android.graphics.Color)	4294941208 (0xFFFF9A18)
YUV	169.3790, -71.6718, 75.0896
Hunter-Lab	66.6612, 25.1561, 40.7481

Details

The XYZ color **52.9605, 44.4372, 6.6501** 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 **25.7603, 22.0813, 97.5114**, and the grayscale version is **38.2105, 40.2005, 43.7783**.

A 20% lighter version of the original color is **65.7202, 67.5328, 18.3754**, and **26.4896, 20.7092, 2.6011** is the 20% darker color. If you saturate the color by 10%, you get **51.1390, 41.0586, 5.2298**, and if you desaturate by 10%, it is **55.2882, 48.4526, 9.4005**.

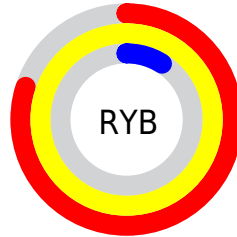
Distribution



Red (100%)

Green (60%)

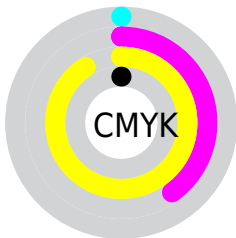
Blue (9%)



Red (80%)

Yellow (100%)

Blue (9%)

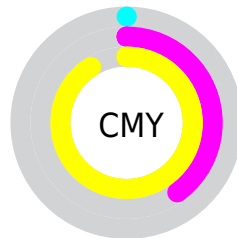


Cyan (0%)

Magenta (40%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9605, 44.4372, 6.6501 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 52.9605, 44.4372, 6.6501 by changing the saturation by 10% instead.


 52.9605, 44.4372,
6.6501


 52.9605, 44.4372,
6.6501


388.3969,
364.4894, 174.2429


 37.9986, 31.0144,
3.1691

 93.7121, 81.8752,
19.7665

 26.1588, 20.6098,
1.1816


 120.2325,
106.6592, 30.2390


 17.0758, 12.8391,
0.0000


 151.3365,
135.9990, 43.8792

 10.3842, 7.3178,
0.0000

 187.3893,
170.2790, 61.1055

 5.7186, 3.6616,
0.0000

 228.7565,
209.8837, 82.3364

 2.7138, 1.4862,
0.0000

 275.8032,

 1.0043, 0.2790,

255.1974, 107.9906

0.0000

328.8949,
306.6045, 138.4866

■ 0.0000, 0.0000,
0.0000

■ 52.9605, 44.4372,
6.6501

■ 52.9605, 44.4372,
6.6501

■ 51.1390, 41.0586,
5.2298

■ 55.2882, 48.4526,
9.4005

■ 58.0952, 52.9384,
13.8142

■ 61.4314, 57.9234,
20.1284

■ 65.3382, 63.4307,
28.5409

■ 69.8522, 69.4814,
39.2244

■ 75.0064, 76.0948,
52.3334

■ 80.8310, 83.2891,
68.0087

■ 87.3542, 91.0814,
86.3805

94.6022, 99.4880,
107.5697

Harmonies

Analogous

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



66.7190, 44.4372, 15.1351



52.9605, 44.4372, 6.6501



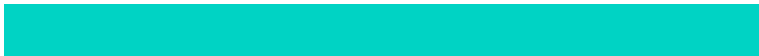
38.6741, 44.4372, 5.4512

Triad

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



52.9605, 44.4372, 6.6501



21.0775, 44.4372, 59.6654



60.6951, 44.4372, 136.0881

Complementary

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



52.9605, 44.4372, 6.6501



25.7603, 22.0813, 97.5114

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.



46.0106, 44.4372, 168.9205



52.9605, 44.4372, 6.6501



24.6219, 44.4372, 111.5797

Square

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



52.9605, 44.4372, 6.6501



22.1504, 44.4372, 25.1605



33.0672, 44.4372, 158.1061



71.8177, 44.4372, 82.7440

Rectangle

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



52.9605, 44.4372, 6.6501



31.0032, 44.4372, 7.5726



33.0672, 44.4372, 158.1061



55.8996, 44.4372, 150.9183

Sweetspot

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



52.9615, 44.4395, 6.6509



77.0166, 78.6069, 57.6515



45.4597, 23.4707, 22.5405



16.0746, 16.3128, 11.2542



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.



52.9615, 44.4395, 6.6509



51.1394, 41.0589, 5.2298



73.0422, 90.7202, 14.5256



18.8576, 19.6834, 18.9497



26.8728, 21.7568, 2.7831



2.7253, 2.3360, 0.3073

Inverse Universe

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



25.7603, 22.0813, 97.5114



23.7879, 18.6957, 96.9626



19.0889, 8.2407, 95.1915



17.6564, 18.6844, 22.9258



12.5721, 10.0538, 50.7125



1.3305, 1.1918, 4.9732

Previews

White Background



This preview shows how the XYZ color 52.9605, 44.4372, 6.6501 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 52.9605, 44.4372, 6.6501 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 52.9605, 44.4372, 6.6501

Background



This preview shows how black text looks on a background with the XYZ color 52.9605, 44.4372, 6.6501.



This preview shows how white text looks on a background with the XYZ color 52.9605, 44.4372,

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

52.9605, 44.4372, 6.6501

Protanopia

40.4548, 44.7566, 7.8030

Deuteranopia

45.5520, 44.5447, 6.1971



Tritanopia

57.6745, 44.5277, 37.0074

Trichromacy



Original Color

52.9605, 44.4372, 6.6501

Protanomaly

44.4031, 44.2054, 7.2908

Deuteranomaly

48.2498, 44.5752, 6.3193

Tritanomaly

54.8531, 44.1554, 19.8191

Monochromacy



Original Color

52.9605, 44.4372, 6.6501

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.2473, 40.0912, 22.1401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9605, 44.4372, 6.6501 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 24) }
```

Border

The CSS property to change the border of an element to XYZ 52.9605, 44.4372, 6.6501 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, 24) }
```


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

```
.border{ border-color:rgb(255, 154, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9605, 44.4372, 6.6501 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, 24) }
```

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

```
.background{ background-color: rgb(255,  
154, 24) }
```

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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