

Converting Colors

XYZ(52.5963, 46.7415, 8.4757)

Have a look what the booklet for
XYZ(52.5963, 46.7415, 8.4757)
contains.

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Color

**XYZ(52.7603, 46.8578,
8.4542)**

Conversions

Conversions Part 1

Format	Color
Hex	F9A42A
RGB	249, 164, 42
RGB Percent	98%, 64%, 16%
CMY	0.0235, 0.3568, 0.8353
CMYK	0.00, 0.34, 0.83, 0.02
HSL	35°, 95%, 57%
HSV	35°, 83%, 98%
XYZ	52.7603, 46.8578, 8.4542
YIQ	175.5070, 89.8220, -19.9220

Conversions

Conversions Part 2

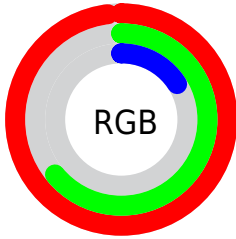
Format	Color
R _Y B	186, 249, 42
Decimal	16360490
CIE Lab	74.10, 22.57, 70.02
CIE LCh	74, 73.566, 72.137
Yxy	46.8578, 0.4882, 0.4336
Android (android.graphics.Color)	4294550570 (0xFFFF9A42A)
YUV	175.5070, -65.8190, 64.4534
Hunter-Lab	68.4528, 17.7874, 40.5944

Details

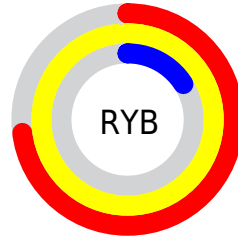
The XYZ color **52.7603, 46.8578, 8.4542** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.6428, 22.5099, 92.6152**, and the grayscale version is **41.3103, 43.4617, 47.3298**.

A 20% lighter version of the original color is **68.8236, 72.8239, 22.2334**, and **26.2877, 22.1531, 2.8905** is the 20% darker color. If you saturate the color by 10%, you get **50.6885, 43.2200, 6.2054**, and if you desaturate by 10%, it is **55.2576, 50.9051, 12.2085**.

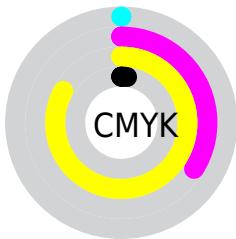
Distribution



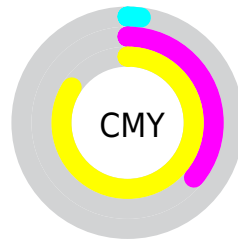
- Red (98%)
- Green (64%)
- Blue (16%)



- Red (73%)
- Yellow (98%)
- Blue (16%)



- Cyan (0%)
- Magenta (34%)
- Yellow (83%)
- Black (2%)





- Cyan (2%)
- Magenta (36%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7603, 46.8578, 8.4542 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 52.7603, 46.8578, 8.4542 by changing the saturation by 10% instead.


 52.7603, 46.8578,
8.4542


 52.7603, 46.8578,
8.4542


387.6407,
374.2466, 189.3180


 37.8382, 32.9233,
4.2950


 93.4192, 85.5013,
23.4049

 26.0337, 22.0677,
1.7885


 119.8866,
110.9791, 35.0334

 16.9817, 13.9066,
0.4204

 150.9332,
141.0734, 49.9889

 10.3167, 8.0557,
0.0000

 186.9243,
176.1686, 68.6897

 5.6733, 4.1306,
0.0000

 228.2252,
216.6492, 91.5545

 2.6862, 1.7469,
0.0000

 275.2014,

 0.9901, 0.4538,

262.8994, 119.0018

0.0000

328.2181,
315.3038, 151.4501

■ 0.0000, 0.0000,
0.0000

■ 52.7603, 46.8578,
8.4542

■ 52.7603, 46.8578,
8.4542

■ 50.6885, 43.2200,
6.2054

■ 55.2576, 50.9051,
12.2085


■ 49.4630, 40.9323,
5.2937


■ 58.2250, 55.3792,
17.7010


■ 61.7034, 60.3035,
25.1264


■ 65.7276, 65.6969,
34.6525

■ 70.3287, 71.5768,
46.4286

 75.5353, 77.9593,
60.5905

 81.3739, 84.8595,
77.2631

 87.8690, 92.2918,
96.5622

 92.8766, 98.8796,
108.7983

Harmonies

Analogous

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



66.0649, 46.8578, 16.2042



52.7603, 46.8578, 8.4542



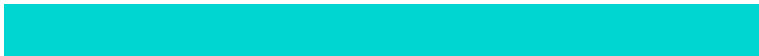
39.4247, 46.8578, 7.9013

Triad

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



52.7603, 46.8578, 8.4542



24.0925, 46.8578, 67.8280



63.7668, 46.8578, 125.8562

Complementary

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



52.7603, 46.8578, 8.4542



25.6428, 22.5099, 92.6152

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.



50.0731, 46.8578, 159.7578



52.7603, 46.8578, 8.4542



28.2816, 46.8578, 116.7382

Square

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



52.7603, 46.8578, 8.4542



24.5296, 46.8578, 31.8594



37.2158, 46.8578, 155.7801



73.2308, 46.8578, 76.6405

Rectangle

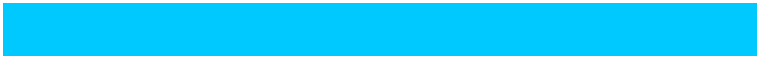
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.7603, 46.8578, 8.4542



32.3846, 46.8578, 10.9648



37.2158, 46.8578, 155.7801



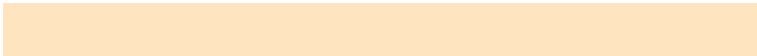
59.4025, 46.8578, 140.3024

Sweetspot

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



52.7614, 46.8602, 8.4551



78.6422, 80.9739, 60.9192



43.8077, 23.3611, 22.7096



16.4123, 16.8190, 11.8877



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.



52.7614, 46.8602, 8.4551



52.1937, 43.1674, 5.5812



67.4909, 85.0320, 15.0466



18.0950, 18.9258, 18.1617



26.6203, 22.1973, 2.8815



2.5698, 2.2645, 0.3017

Inverse Universe

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



25.6428, 22.5099, 92.6152



23.0714, 17.2629, 96.7238



19.7457, 9.4334, 90.4020



16.8683, 17.8135, 21.9346



11.8404, 9.0364, 49.0937



1.1981, 1.0399, 4.5807

Previews

White Background



This preview shows how the XYZ color 52.7603, 46.8578, 8.4542 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 52.7603, 46.8578, 8.4542 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 52.7603, 46.8578, 8.4542

Background



This preview shows how black text looks on a background with the XYZ color 52.7603, 46.8578, 8.4542.



This preview shows how white text looks on a background with the XYZ color 52.7603, 46.8578,

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

52.7603, 46.8578, 8.4542

Protanopia

42.6234, 47.0513, 9.5246

Deuteranopia

47.9106, 46.8437, 8.2668



Tritanopia

59.3321, 46.7228, 41.0132

Trichromacy



Original Color

52.7603, 46.8578, 8.4542

Protanomaly

45.8178, 46.6123, 9.0648

Deuteranomaly

49.6660, 46.9005, 8.3545

Tritanomaly

55.9551, 46.3527, 23.7671

Monochromacy



Original Color

52.7603, 46.8578, 8.4542

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.2119, 43.7339, 26.2426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7603, 46.8578, 8.4542 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(249, 164, 42)` looks like.

```
.text, #text, p{  
    color:rgb(249, 164, 42)  
}
```

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(249, 164, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 164, 42) }
```

Border

The CSS property to change the border of an element to XYZ 52.7603, 46.8578, 8.4542 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(249, 164, 42) }
```


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

```
.border{ border-color:rgb(249, 164, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 164, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 164, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 164, 42);  
box-shadow:4px 4px 4px 4px rgb(249, 164,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7603, 46.8578, 8.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 164, 42) }
```

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

```
.background{ background-color: rgb(249,  
164, 42) }
```

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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