

Converting Colors

XYZ(52.2123, 42.0297, 9.3468)

Have a look what the booklet for
XYZ(52.2123, 42.0297, 9.3468)
contains.

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Color

**XYZ(52.2826, 42.1233,
9.3780)**

Conversions

Conversions Part 1

Format	Color
Hex	FF923A
RGB	255, 146, 58
RGB Percent	100%, 57%, 23%
CMY	0.0000, 0.4274, 0.7725
CMYK	0.00, 0.43, 0.77, 0.00
HSL	27°, 100%, 61%
HSV	27°, 77%, 100%
XYZ	52.2826, 42.1233, 9.3780
YIQ	168.5590, 93.2120, -4.2600

Conversions

Conversions Part 2

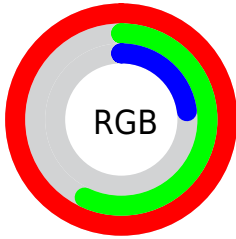
Format	Color
R _Y B	255, 217, 58
Decimal	16749114
CIE Lab	70.96, 34.87, 61.60
CIE LCh	71, 70.784, 60.488
Yxy	42.1233, 0.5038, 0.4059
Android (android.graphics.Color)	4294939194 (0xFFFF923A)
YUV	168.5590, -54.5056, 75.8088
Hunter-Lab	64.9025, 30.2125, 36.8647

Details

The XYZ color **52.2826, 42.1233, 9.3780** 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 **33.6126, 35.7548, 99.7368**, and the grayscale version is **37.7238, 39.6884, 43.2206**.

A 20% lighter version of the original color is **64.9959, 64.1810, 24.0014**, and **25.7409, 19.2119, 2.3516** is the 20% darker color. If you saturate the color by 10%, you get **49.7449, 37.8422, 6.0850**, and if you desaturate by 10%, it is **55.4114, 47.0740, 14.4514**.

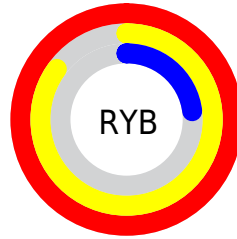
Distribution



Red (100%)

Green (57%)

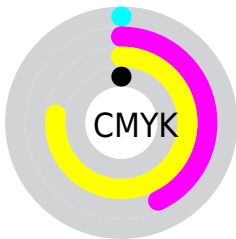
Blue (23%)



Red (100%)

Yellow (85%)

Blue (23%)

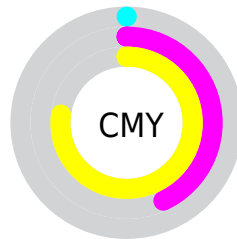


Cyan (0%)

Magenta (43%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2826, 42.1233, 9.3780 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 52.2826, 42.1233, 9.3780 by changing the saturation by 10% instead.


 52.2826, 42.1233,
9.3780


 52.2826, 42.1233,
9.3780


385.8327,
354.9938, 196.4940

 37.4556, 29.1979,
4.8884


 92.7196, 78.3862,
25.2081

 25.7357, 19.2305,
2.1243


 119.0604,
102.4924, 37.3856


 16.7577, 11.8370,
0.6302


 149.9697,
131.0944, 52.9629

 10.1561, 6.6328,
0.0000

 185.8129,
164.5765, 72.3584

 5.5656, 3.2335,
0.0000

 226.9555,
203.3231, 95.9907

 2.6209, 1.2548,
0.0000

 273.7628,

 0.9566, 0.1058,

247.7185, 124.2784

0.0000

326.6000,
298.1473, 157.6400

■ 0.0000, 0.0000,
0.0000

■ 52.2826, 42.1233,
9.3780

■ 52.2826, 42.1233,
9.3780

■ 49.7449, 37.8422,
6.0850

■ 55.4114, 47.0740,
14.4514

■ 47.7319, 34.1830,
4.2833

■ 59.1795, 52.7228,
21.5262

■ 47.2476, 33.2757,
3.9326

■ 63.6322, 59.1038,
30.7928

■ 68.8091, 66.2462,
42.4190

■ 74.7465, 74.1773,
56.5556

81.4779, 82.9232,
73.3409

89.0345, 92.5081,
92.9032

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.



62.9375, 42.1233, 20.1704



52.2826, 42.1233, 9.3780



39.8441, 42.1233, 6.7469

Triad

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



52.2826, 42.1233, 9.3780



21.3684, 42.1233, 46.4205



52.6833, 42.1233, 127.7109

Complementary

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



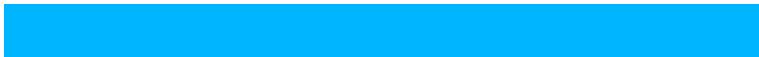
52.2826, 42.1233, 9.3780



33.6126, 35.7548, 99.7368

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.



40.2304, 42.1233, 146.3210



52.2826, 42.1233, 9.3780



23.4985, 42.1233, 87.3499

Square

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



52.2826, 42.1233, 9.3780



23.3634, 42.1233, 20.7295



29.8703, 42.1233, 128.8089



63.1990, 42.1233, 85.8861

Rectangle

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



52.2826, 42.1233, 9.3780



32.6108, 42.1233, 7.9572



29.8703, 42.1233, 128.8089



48.5126, 42.1233, 137.6003

Sweetspot

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



52.2835, 42.1255, 9.3788



77.5116, 77.7972, 63.3647



49.9740, 27.1747, 40.4603



16.0862, 15.9919, 12.3183



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.



52.2835, 42.1255, 9.3788



48.5297, 35.6667, 4.8924



73.7157, 84.9899, 16.5228



18.6774, 19.3230, 18.8896



24.8319, 17.6750, 2.1028



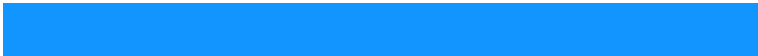
2.5248, 1.9350, 0.2404

Inverse Universe

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



33.6126, 35.7548, 99.7368



29.0531, 28.8601, 98.6470



22.0568, 12.6433, 95.8849



17.8363, 19.0443, 22.9858



14.5662, 14.0420, 51.3772



1.5273, 1.5854, 5.0388

Previews

White Background



This preview shows how the XYZ color 52.2826, 42.1233, 9.3780 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 52.2826, 42.1233, 9.3780 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 52.2826, 42.1233, 9.3780

Background



This preview shows how black text looks on a background with the XYZ color 52.2826, 42.1233, 9.3780.



This preview shows how white text looks on a background with the XYZ color 52.2826, 42.1233,

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

52.2826, 42.1233, 9.3780

Protanopia

38.3676, 42.1348, 11.2649

Deuteranopia

42.9884, 42.0636, 9.1022



Tritanopia

56.0429, 42.1861, 33.6227

Trichromacy



Original Color

52.2826, 42.1233, 9.3780

Protanomaly

42.4916, 41.5087, 10.4751

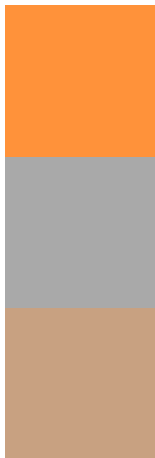
Deuteranomaly

45.8477, 41.7090, 9.1242

Tritanomaly

54.0654, 41.8670, 21.7546

Monochromacy



Original Color

52.2826, 42.1233, 9.3780

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.5267, 39.3541, 26.2290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2826, 42.1233, 9.3780 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, 146, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 58)  
}
```

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, 146, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 58) }
```

Border

The CSS property to change the border of an element to XYZ 52.2826, 42.1233, 9.3780 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, 146, 58) }
```


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

```
.border{ border-color:rgb(255, 146, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2826, 42.1233, 9.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 58) }
```

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

```
.background{ background-color: rgb(255,  
146, 58) }
```

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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