

Converting Colors

XYZ(52.8585, 42.5221, 11.8914)

Have a look what the booklet for
XYZ(52.8585, 42.5221, 11.8914)
contains.

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Color

**XYZ(52.9097, 42.6218,
11.9168)**

Conversions

Conversions Part 1

Format	Color
Hex	FF934A
RGB	255, 147, 74
RGB Percent	100%, 58%, 29%
CMY	0.0000, 0.4235, 0.7098
CMYK	0.00, 0.42, 0.71, 0.00
HSL	24°, 100%, 65%
HSV	24°, 71%, 100%
XYZ	52.9097, 42.6218, 11.9168
YIQ	170.9700, 87.8010, 0.1930

Conversions

Conversions Part 2

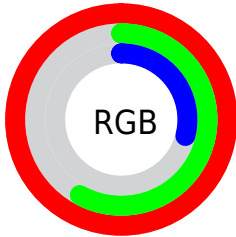
Format	Color
RYB	255, 196, 74
Decimal	16749386
CIELab	71.30, 35.03, 54.85
CIELCh	71, 65.077, 57.436
Yxy	42.6218, 0.4924, 0.3967
Android (android.graphics.Color)	4294939466 (0xFFFF934A)
YUV	170.9700, -47.8062, 73.6943
Hunter-Lab	65.2854, 30.4136, 34.8773

Details

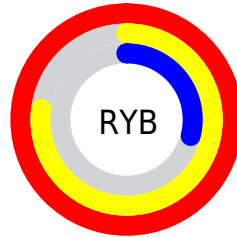
The XYZ color **52.9097, 42.6218, 11.9168** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **37.6008, 42.1294, 100.7570**, and the grayscale version is **38.8964, 40.9221, 44.5641**.

A 20% lighter version of the original color is **66.1264, 65.0074, 28.8011**, and **26.2199, 19.5760, 3.1061** is the 20% darker color. If you saturate the color by 10%, you get **50.0068, 37.9238, 7.5354**, and if you desaturate by 10%, it is **56.4754, 48.0893, 18.2363**.

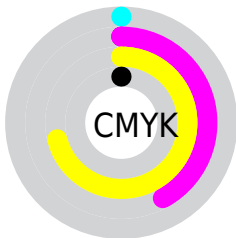
Distribution



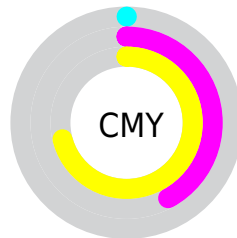
- Red (100%)
- Green (58%)
- Blue (29%)



- Red (100%)
- Yellow (77%)
- Blue (29%)



- Cyan (0%)
- Magenta (42%)
- Yellow (71%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9097, 42.6218, 11.9168 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 52.9097, 42.6218, 11.9168 by changing the saturation by 10% instead.


 52.9097, 42.6218,
11.9168

 52.9097, 42.6218,
11.9168


388.2051,
357.0541, 214.8120


 37.9579, 29.5885,
6.5652


 93.6378, 79.1398,
30.0056


 26.1271, 19.5264,
3.1174


 120.1448,
103.3933, 43.5799


 17.0519, 12.0513,
1.1549


 151.2342,
132.1557, 60.7322

 10.3670, 6.7786,
0.0000

 187.2714,
165.8113, 81.8809

 5.7071, 3.3240,
0.0000

 228.6217,
204.7446, 107.4448

 2.7068, 1.3032,
0.0000

275.6505,

 1.0007, 0.1436,

249.3398, 137.8422

0.0000

328.7232,
299.9816, 173.4918

■ 0.0000, 0.0000,
0.0000

■ 52.9097, 42.6218,
11.9168

■ 52.9097, 42.6218,
11.9168

■ 50.0068, 37.9238,
7.5354

■ 56.4754, 48.0893,
18.2363

■ 47.7066, 33.9463,
4.8486


■ 60.7500, 54.3576,
26.6930


■ 46.0754, 30.9313,
3.5419

■ 65.7782, 61.4639,
37.4635

■ 71.5995, 69.4407,
50.7051

■ 78.2506, 78.3187,
66.5613

 85.7655, 88.1268,
85.1643

 94.1763, 98.8924,
106.6375

 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.



62.1752, 42.6218, 23.8310



52.9097, 42.6218, 11.9168



41.4584, 42.6218, 8.5073

Triad

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



52.9097, 42.6218, 11.9168



22.9321, 42.6218, 43.7664



50.9873, 42.6218, 122.9568

Complementary

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



52.9097, 42.6218, 11.9168



37.6008, 42.1294, 100.7570

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.



39.5776, 42.6218, 136.2572



52.9097, 42.6218, 11.9168



24.5731, 42.6218, 80.0352

Square

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



52.9097, 42.6218, 11.9168



25.2531, 42.6218, 20.9631



30.2180, 42.6218, 117.8717



60.9323, 42.6218, 86.9330

Rectangle

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



52.9097, 42.6218, 11.9168



34.5336, 42.6218, 9.4106



30.2180, 42.6218, 117.8717



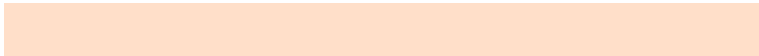
47.1406, 42.6218, 130.7848

Sweetspot

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



52.9107, 42.6240, 11.9176



78.2365, 78.3000, 66.5262



52.1943, 29.5600, 47.5367



16.3347, 16.2152, 13.2449



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.



52.9107, 42.6240, 11.9176



49.0134, 36.2406, 6.2668



72.7309, 82.2645, 18.5243



18.6108, 19.1897, 18.8674



24.2125, 16.4363, 1.8964



2.4612, 1.8078, 0.2192

Inverse Universe

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



37.6008, 42.1294, 100.7570



32.7827, 35.4850, 99.7292



24.7101, 16.3479, 96.4601



17.9043, 19.1803, 23.0085



15.4612, 15.8319, 51.6756



1.6126, 1.7559, 5.0672

Previews

White Background



This preview shows how the XYZ color 52.9097, 42.6218, 11.9168 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 52.9097, 42.6218, 11.9168 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 52.9097, 42.6218, 11.9168

Background



This preview shows how black text looks on a background with the XYZ color 52.9097, 42.6218, 11.9168.



This preview shows how white text looks on a background with the XYZ color 52.9097, 42.6218,

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

52.9097, 42.6218, 11.9168

Protanopia

39.1394, 42.7538, 14.3731

Deuteranopia

43.6238, 42.6075, 11.5551



Tritanopia

56.2699, 42.5118, 34.0940

Trichromacy



Original Color

52.9097, 42.6218, 11.9168

Protanomaly

43.2220, 42.0884, 13.4352

Deuteranomaly

46.4905, 42.2401, 11.6641

Tritanomaly

54.5753, 42.3101, 23.7026

Monochromacy



Original Color

52.9097, 42.6218, 11.9168

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.7214, 40.1748, 28.8481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9097, 42.6218, 11.9168 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, 147, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 74)  
}
```

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, 147, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 74) }
```

Border

The CSS property to change the border of an element to XYZ 52.9097, 42.6218, 11.9168 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, 147, 74) }
```


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

```
.border{ border-color:rgb(255, 147, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 147, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9097, 42.6218, 11.9168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 74) }
```

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

```
.background{ background-color: rgb(255,  
147, 74) }
```

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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