

Converting Colors

XYZ(55.0719, 47.8306, 9.9108)

Have a look what the booklet for
XYZ(55.0719, 47.8306, 9.9108)
contains.

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Color

**XYZ(55.0268, 47.7302,
9.9271)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA337
RGB	255, 163, 55
RGB Percent	100%, 64%, 22%
CMY	0.0000, 0.3608, 0.7843
CMYK	0.00, 0.36, 0.78, 0.00
HSL	32°, 100%, 61%
HSV	32°, 78%, 100%
XYZ	55.0268, 47.7302, 9.9271
YIQ	178.1960, 89.5000, -14.0840

Conversions

Conversions Part 2

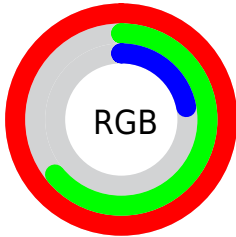
Format	Color
R_{YB}	225, 255, 55
Decimal	16753463
CIE Lab	74.65, 25.97, 66.29
CIE LCh	75, 71.192, 68.604
Yxy	47.7302, 0.4883, 0.4236
Android (android.graphics.Color)	4294943543 (0xFFFFA337)
YUV	178.1960, -60.7356, 67.3571
Hunter-Lab	69.0870, 21.2703, 39.8416

Details

The XYZ color **55.0268, 47.7302, 9.9271** 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 **30.0588, 28.8985, 98.6008**, and the grayscale version is **42.7005, 44.9243, 48.9226**.

A 20% lighter version of the original color is **69.0717, 72.5069, 24.8228**, and **27.6768, 22.7063, 2.9240** is the 20% darker color. If you saturate the color by 10%, you get **52.5792, 43.5739, 6.8347**, and if you desaturate by 10%, it is **57.9851, 52.4040, 14.7462**.

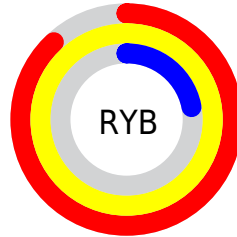
Distribution



Red (100%)

Green (64%)

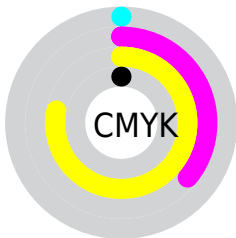
Blue (22%)



Red (88%)

Yellow (100%)

Blue (22%)

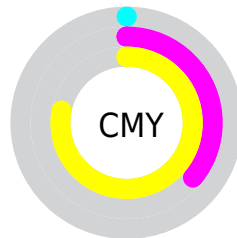


Cyan (0%)

Magenta (36%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.0268, 47.7302, 9.9271 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 55.0268, 47.7302, 9.9271 by changing the saturation by 10% instead.


 55.0268, 47.7302,
9.9271


 55.0268, 47.7302,
9.9271


396.1483,
377.7217, 200.6169

 39.6571, 33.6133,
5.2457


 96.7283, 86.8026,
26.2640


 27.4543, 22.5967,
2.3309


 123.7908,
112.5268, 38.7565

 18.0531, 14.2960,
0.7484


 155.4817,
142.8889, 54.6898

 11.0880, 8.3268,
0.0000

 192.1662,
178.2733, 74.4824

 6.1938, 4.3048,
0.0000

 234.2098,
219.0644, 98.5529

 3.0051, 1.8455,
0.0000

 281.9778,

 1.1564, 0.5153,

265.6466, 127.3197

0.0000

335.8355,
318.4042, 161.2016

■ 0.0716, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.0268, 47.7302,
9.9271

■ 55.0268, 47.7302,
9.9271

■ 52.5792, 43.5739,
6.8347

■ 57.9851, 52.4040,
14.7462

■ 50.5739, 39.8932,
5.1496

■ 61.4986, 57.6149,
21.5162

■ 50.2862, 39.3528,
4.9455

■ 65.6094, 63.3896,
30.4296

■ 70.3537, 69.7500,
41.6550

■ 75.7647, 76.7167,
55.3440

■ 81.8727, 84.3088,
71.6349

■ 88.7060, 92.5444,
90.6560

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



67.6337, 47.7302, 19.0613



55.0268, 47.7302, 9.9271



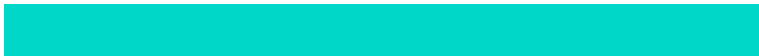
41.7569, 47.7302, 8.6298

Triad

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



55.0268, 47.7302, 9.9271



25.0004, 47.7302, 63.3338



62.6623, 47.7302, 129.5639

Complementary

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



55.0268, 47.7302, 9.9271



30.0588, 28.8985, 98.6008

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.



49.1775, 47.7302, 158.5536



55.0268, 47.7302, 9.9271



28.6165, 47.7302, 110.0621

Square

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



55.0268, 47.7302, 9.9271



25.9740, 47.7302, 30.1293



36.9080, 47.7302, 150.0941



72.5910, 47.7302, 82.4208

Rectangle

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



55.0268, 47.7302, 9.9271



34.5005, 47.7302, 11.2317



36.9080, 47.7302, 150.0941



58.3027, 47.7302, 142.5724

Sweetspot

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



55.0279, 47.7327, 9.9280



78.3832, 80.0021, 62.2320



47.9780, 26.1414, 30.6733



16.3242, 16.5561, 12.1257



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.



55.0279, 47.7327, 9.9280



51.4148, 41.4683, 5.7575



75.2789, 91.8127, 17.3689



18.8220, 19.6123, 18.9378



26.4270, 20.8652, 2.6345



2.6824, 2.2502, 0.2930

Inverse Universe

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



30.0588, 28.8985, 98.6008



25.6560, 22.1323, 97.5275



21.3823, 10.9662, 95.5968



17.6915, 18.7546, 22.9375



12.9187, 10.7471, 50.8281



1.3656, 1.2620, 4.9849

Previews

White Background



This preview shows how the XYZ color 55.0268, 47.7302, 9.9271 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 55.0268, 47.7302, 9.9271 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 55.0268, 47.7302, 9.9271

Background



This preview shows how black text looks on a background with the XYZ color 55.0268, 47.7302, 9.9271.



This preview shows how white text looks on a background with the XYZ color 55.0268, 47.7302,

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

55.0268, 47.7302, 9.9271

Protanopia

43.4364, 47.7397, 11.3402

Deuteranopia

48.8825, 47.8879, 9.7989



Tritanopia

60.0114, 47.7901, 42.1379

Trichromacy



Original Color

55.0268, 47.7302, 9.9271

Protanomaly

47.0552, 47.2137, 10.7708

Deuteranomaly

51.1179, 47.8990, 9.8000

Tritanomaly

57.4040, 47.5626, 25.8936

Monochromacy



Original Color

55.0268, 47.7302, 9.9271

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.6308, 44.7024, 28.4664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0268, 47.7302, 9.9271 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, 163, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 55)  
}
```

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, 163, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 55) }
```

Border

The CSS property to change the border of an element to XYZ 55.0268, 47.7302, 9.9271 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, 163, 55) }
```


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

```
.border{ border-color:rgb(255, 163, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0268, 47.7302, 9.9271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 55) }
```

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

```
.background{ background-color: rgb(255,  
163, 55) }
```

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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