

Converting Colors

XYZ(55.0611, 47.1586, 11.9123)

Have a look what the booklet for
XYZ(55.0611, 47.1586, 11.9123)
contains.

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Color

**XYZ(55.0904, 47.1919,
11.9997)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA146
RGB	255, 161, 70
RGB Percent	100%, 63%, 27%
CMY	0.0000, 0.3686, 0.7255
CMYK	0.00, 0.37, 0.73, 0.00
HSL	30°, 100%, 64%
HSV	30°, 73%, 100%
XYZ	55.0904, 47.1919, 11.9997
YIQ	178.7320, 85.2350, -8.3730

Conversions

Conversions Part 2

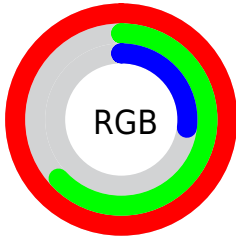
Format	Color
R_{YB}	255, 249, 70
Decimal	16752966
CIE Lab	74.31, 27.61, 59.82
CIE LCh	74, 65.885, 65.227
Yxy	47.1919, 0.4821, 0.4129
Android (android.graphics.Color)	4294943046 (0xFFFFA146)
YUV	178.7320, -53.6049, 66.8870
Hunter-Lab	68.6964, 22.9278, 37.7308

Details

The XYZ color **55.0904, 47.1919, 11.9997** 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 **33.8505, 35.0713, 99.5926**, and the grayscale version is **42.9508, 45.1876, 49.2092**.

A 20% lighter version of the original color is **69.3710, 71.8018, 28.9418**, and **27.5214, 22.2989, 3.1702** is the 20% darker color. If you saturate the color by 10%, you get **52.3019, 42.6414, 7.9067**, and if you desaturate by 10%, it is **58.4572, 52.3531, 17.9708**.

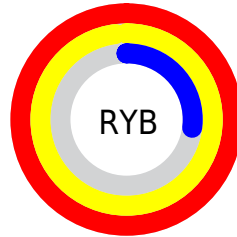
Distribution



Red (100%)

Green (63%)

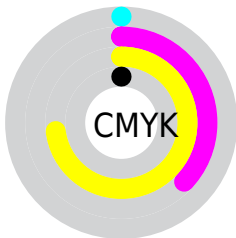
Blue (27%)



Red (100%)

Yellow (98%)

Blue (27%)

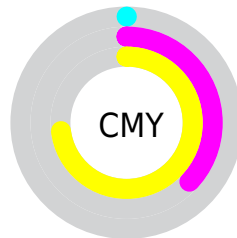


Cyan (0%)

Magenta (37%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.0904, 47.1919, 11.9997 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 55.0904, 47.1919, 11.9997 by changing the saturation by 10% instead.


 55.0904, 47.1919,
11.9997

 55.0904, 47.1919,
11.9997


396.3854,
375.5800, 215.3811

 39.7082, 33.1874,
6.6209


 96.8209, 86.0000,
30.1589


 27.4943, 22.2700,
3.1514


 123.9000,
111.5724, 43.7765


 18.0833, 14.0555,
1.1724


 155.6088,
141.7695, 60.9774

 11.1099, 8.1592,
0.0000

 192.3126,
176.9757, 82.1802

 6.2086, 4.1970,
0.0000

 234.3768,
217.5755, 107.8035

 3.0142, 1.7844,
0.0000

282.1668,

 1.1613, 0.4774,

263.9532, 138.2657

0.0000

336.0478,
316.4933, 173.9854

■ 0.0755, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.0904, 47.1919,
11.9997

■ 55.0904, 47.1919,
11.9997

■ 52.3019, 42.6414,
7.9067

■ 58.4572, 52.3531,
17.9708

■ 50.0346, 38.6615,
5.4415

■ 62.4443, 58.1467,
26.0222

■ 48.6293, 36.0389,
4.3932

■ 67.0926, 64.6015,
36.3327

■ 72.4381, 71.7419,
49.0606

■ 78.5139, 79.5909,
64.3501

■ 85.3506, 88.1701,
82.3338

■ 92.9769, 97.4999,
103.1350

■ 95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



66.1493, 47.1919, 22.1960



55.0904, 47.1919, 11.9997



42.8114, 47.1919, 9.9549

Triad

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



55.0904, 47.1919, 11.9997



25.7822, 47.1919, 57.5585



59.3158, 47.1919, 125.2025

Complementary

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



55.0904, 47.1919, 11.9997



33.8505, 35.0713, 99.5926

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.



46.9616, 47.1919, 147.5521



55.0904, 47.1919, 11.9997



28.7039, 47.1919, 98.9373

Square

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



55.0904, 47.1919, 11.9997



27.1905, 47.1919, 28.6125



35.9722, 47.1919, 136.2742



68.8743, 47.1919, 83.8468

Rectangle

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



55.0904, 47.1919, 11.9997



35.8310, 47.1919, 12.0828



35.9722, 47.1919, 136.2742



55.2785, 47.1919, 135.8555

Sweetspot

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



55.0915, 47.1943, 12.0006



78.8689, 80.0423, 65.2648



50.2750, 28.3785, 38.7046



16.5103, 16.6592, 13.0176



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.



55.0915, 47.1943, 12.0006



51.2318, 40.8011, 6.6251



77.1295, 91.2703, 19.3466



18.7472, 19.4627, 18.9129



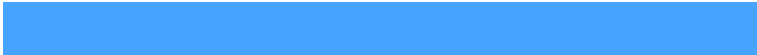
25.5587, 19.1285, 2.3451



2.5976, 2.0805, 0.2647

Inverse Universe

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



33.8505, 35.0713, 99.5926



28.9403, 28.0625, 98.4990



22.9641, 13.2985, 95.9638



17.7659, 18.9035, 22.9623



13.7219, 12.3534, 51.0958



1.4454, 1.4215, 5.0115

Previews

White Background



This preview shows how the XYZ color 55.0904, 47.1919, 11.9997 looks on a white background.

Color Contrast Check

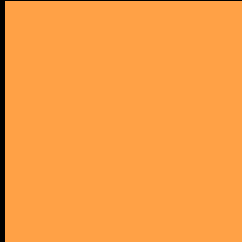
Large Text (above 18pt) WCAG AA × Fail

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 55.0904, 47.1919, 11.9997 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 55.0904, 47.1919, 11.9997

Background



This preview shows how black text looks on a background with the XYZ color 55.0904, 47.1919, 11.9997.



This preview shows how white text looks on a background with the XYZ color 55.0904, 47.1919, 11.9997.

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

55.0904, 47.1919, 11.9997

Protanopia

43.1398, 47.2261, 13.6793

Deuteranopia

48.4325, 47.3235, 11.7359



Tritanopia

59.4964, 47.0515, 41.0680

Trichromacy



Original Color

55.0904, 47.1919, 11.9997

Protanomaly

46.9974, 46.8423, 13.0430

Deuteranomaly

50.4610, 46.9583, 11.7145

Tritanomaly

57.3262, 46.9856, 27.1668

Monochromacy



Original Color

55.0904, 47.1919, 11.9997

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.1449, 44.6345, 30.6620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0904, 47.1919, 11.9997 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, 161, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 70)  
}
```

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, 161, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 70) }
```

Border

The CSS property to change the border of an element to XYZ 55.0904, 47.1919, 11.9997 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, 161, 70) }
```


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

```
.border{ border-color:rgb(255, 161, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0904, 47.1919, 11.9997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 70) }
```

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

```
.background{ background-color: rgb(255,  
161, 70) }
```

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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