

Converting Colors

XYZ(74.0316, 57.3754, 14.2551)

Have a look what the booklet for
XYZ(74.0316, 57.3754, 14.2551)
contains.

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Color

**XYZ(55.6767, 47.9902,
13.3497)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA34D
RGB	255, 163, 77
RGB Percent	100%, 64%, 30%
CMY	0.0000, 0.3608, 0.6980
CMYK	0.00, 0.36, 0.70, 0.00
HSL	29°, 100%, 65%
HSV	29°, 70%, 100%
XYZ	55.6767, 47.9902, 13.3497
YIQ	180.7040, 82.4380, -7.2420

Conversions

Conversions Part 2

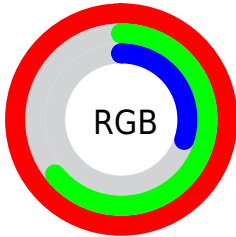
Format	Color
RYB	255, 243, 77
Decimal	16753485
CIELab	74.82, 26.90, 57.23
CIElCh	75, 63.233, 64.825
Yxy	47.9902, 0.4758, 0.4101
Android (android.graphics.Color)	4294943565 (0xFFFFA34D)
YUV	180.7040, -51.1261, 65.1576
Hunter-Lab	69.2750, 22.2303, 37.0669

Details

The XYZ color **55.6767, 47.9902, 13.3497** 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 **35.2975, 37.1716, 99.9215**, and the grayscale version is **43.9984, 46.2898, 50.4096**.

A 20% lighter version of the original color is **70.3407, 73.0145, 31.5050**, and **27.8314, 22.7682, 3.7384** is the 20% darker color. If you saturate the color by 10%, you get **52.7274, 43.2613, 8.7616**, and if you desaturate by 10%, it is **59.2248, 53.3528, 19.8780**.

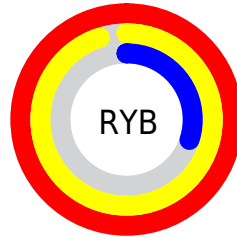
Distribution



Red (100%)

Green (64%)

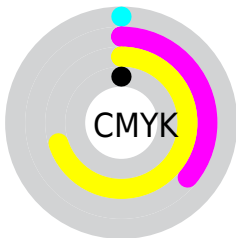
Blue (30%)



Red (100%)

Yellow (95%)

Blue (30%)

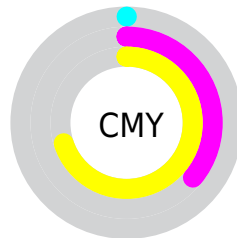


Cyan (0%)

Magenta (36%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6767, 47.9902, 13.3497 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 55.6767, 47.9902, 13.3497 by changing the saturation by 10% instead.


 55.6767, 47.9902,
13.3497

 55.6767, 47.9902,
13.3497


398.5668,
378.7533, 224.4328

 40.1798, 33.8191,
7.5362


 97.6743, 87.1898,
32.6310

 27.8636, 22.7547,
3.7162


 124.9056,
112.9871, 46.9359


 18.3628, 14.4125,
1.4710


 156.7791,
143.4287, 64.9083

 11.3120, 8.4081,
0.1962

 193.6602,
178.8988, 86.9669

 6.3459, 4.3572,
0.0000

 235.9141,
219.7820, 113.5300

 3.0992, 1.8753,
0.0000

283.9063,

 1.2064, 0.5335,

266.4625, 145.0164

0.0000

338.0021,
319.3248, 181.8445

■ 0.1114, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6767, 47.9902,
13.3497

■ 55.6767, 47.9902,
13.3497

■ 52.7274, 43.2613,
8.7616

■ 59.2248, 53.3528,
19.8780

■ 50.3221, 39.1263,
5.8773

■ 63.4123, 59.3708,
28.5404

■ 48.3839, 35.5440,
4.3250

■ 68.2793, 66.0730,
39.5096

■ 48.3489, 35.4782,
4.2997

■ 73.8614, 73.4842,
52.9399

■ 80.1911, 81.6276,
68.9721

■ 87.2988, 90.5251,
87.7362

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.



66.2706, 47.9902, 23.7982



55.6767, 47.9902, 13.3497



43.7791, 47.9902, 11.1520

Triad

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



55.6767, 47.9902, 13.3497



26.9427, 47.9902, 57.7609



59.4364, 47.9902, 123.3494

Complementary

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



55.6767, 47.9902, 13.3497



35.2975, 37.1716, 99.9215

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.



47.4979, 47.9902, 144.1201



55.6767, 47.9902, 13.3497



29.7679, 47.9902, 97.3821

Square

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



55.6767, 47.9902, 13.3497



28.3909, 47.9902, 29.6858



36.8419, 47.9902, 133.0326



68.6844, 47.9902, 84.0721

Rectangle

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



55.6767, 47.9902, 13.3497



36.9481, 47.9902, 13.2841



36.8419, 47.9902, 133.0326



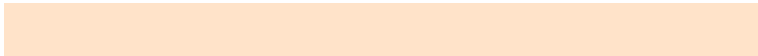
55.5371, 47.9902, 133.3373

Sweetspot

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



55.6778, 47.9927, 13.3506



79.3935, 80.6141, 66.9119



51.3338, 29.5439, 41.9935



16.6085, 16.7628, 13.3362



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.



55.6778, 47.9927, 13.3506



51.6552, 41.4555, 7.3588



76.4754, 89.5878, 20.2831



18.7337, 19.4356, 18.9084



25.4114, 18.8341, 2.2960



2.5830, 2.0513, 0.2598

Inverse Universe

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



35.2975, 37.1716, 99.9215



30.1041, 29.9826, 98.8083



24.1990, 14.9745, 96.2219



17.7795, 18.9307, 22.9669



13.8783, 12.6663, 51.1479



1.4607, 1.4521, 5.0166

Previews

White Background



This preview shows how the XYZ color 55.6767, 47.9902, 13.3497 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 55.6767, 47.9902, 13.3497 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 55.6767, 47.9902, 13.3497

Background



This preview shows how black text looks on a background with the XYZ color 55.6767, 47.9902, 13.3497.



This preview shows how white text looks on a background with the XYZ color 55.6767, 47.9902,

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

55.6767, 47.9902, 13.3497

Protanopia

44.1260, 48.3172, 15.3880

Deuteranopia

49.1991, 47.9774, 13.1460



Tritanopia

60.1035, 47.8270, 42.6229

Trichromacy



Original Color

55.6767, 47.9902, 13.3497

Protanomaly

47.6388, 47.7263, 14.4859

Deuteranomaly

51.4295, 47.9845, 13.2079

Tritanomaly

57.9412, 47.7775, 28.7224

Monochromacy



Original Color

55.6767, 47.9902, 13.3497

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.1064, 45.6652, 32.3708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6767, 47.9902, 13.3497 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 77) }
```

Border

The CSS property to change the border of an element to XYZ 55.6767, 47.9902, 13.3497 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, 77) }
```


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

```
.border{ border-color:rgb(255, 163, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6767, 47.9902, 13.3497 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, 77) }
```

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

```
.background{ background-color: rgb(255,  
163, 77) }
```

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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