

Converting Colors

XYZ(64.7571, 52.1170, 11.2450)

Have a look what the booklet for
XYZ(64.7571, 52.1170, 11.2450)
contains.

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Color

**XYZ(54.8544, 47.0975,
10.7570)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA13E
RGB	255, 161, 62
RGB Percent	100%, 63%, 24%
CMY	0.0000, 0.3686, 0.7569
CMYK	0.00, 0.37, 0.76, 0.00
HSL	31°, 100%, 62%
HSV	31°, 76%, 100%
XYZ	54.8544, 47.0975, 10.7570
YIQ	177.8200, 87.8030, -10.8610

Conversions

Conversions Part 2

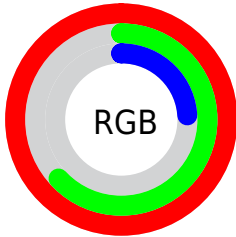
Format	Color
R_{YB}	245, 255, 62
Decimal	16752958
CIE _{Lab}	74.25, 27.27, 63.15
CIE _{LCh}	74, 68.787, 66.643
Yxy	47.0975, 0.4867, 0.4179
Android (android.graphics.Color)	4294943038 (0xFFFFA13E)
YUV	177.8200, -57.0993, 67.6869
Hunter-Lab	68.6276, 22.5776, 38.7460

Details

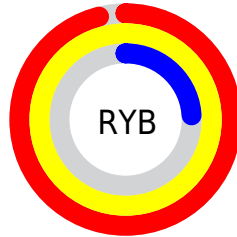
The XYZ color **54.8544, 47.0975, 10.7570** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.9244, 32.0196, 99.1050**, and the grayscale version is **42.4828, 44.6952, 48.6731**.

A 20% lighter version of the original color is **68.8904, 71.6095, 26.4108**, and **27.4610, 22.2747, 2.8521** is the 20% darker color. If you saturate the color by 10%, you get **52.2484, 42.7552, 7.2084**, and if you desaturate by 10%, it is **58.0061, 52.0070, 16.1061**.

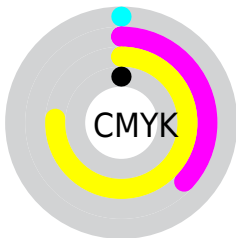
Distribution



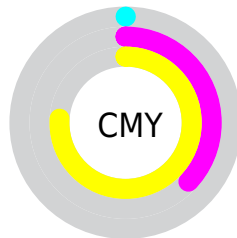
- Red (100%)
- Green (63%)
- Blue (24%)



- Red (96%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (37%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.8544, 47.0975, 10.7570 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 54.8544, 47.0975, 10.7570 by changing the saturation by 10% instead.


 54.8544, 47.0975,
10.7570


 54.8544, 47.0975,
10.7570


395.5052,
375.2036, 206.6700


 39.5185, 33.1127,
5.7916

 96.4772, 85.8591,
27.8397


 27.3459, 22.2128,
2.6520


 123.4948,
111.4048, 40.7940


 17.9711, 14.0134,
0.9191


 155.1370,
141.5729, 57.2484

 11.0288, 8.1300,
0.0000

 191.7693,
176.7478, 77.6214

 6.1536, 4.1782,
0.0000

 233.7568,
217.3140, 102.3315

 2.9803, 1.7737,
0.0000

281.4651,

 1.1433, 0.4707,

263.6557, 131.7973

0.0000

335.2594,
316.1574, 166.4372

■ 0.0609, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.8544, 47.0975,
10.7570

■ 54.8544, 47.0975,
10.7570

■ 52.2484, 42.7552,
7.2084

■ 58.0061, 52.0070,
16.1061

■ 50.1282, 38.9401,
5.1909

■ 61.7468, 57.5047,
23.4688

■ 49.3307, 37.4417,
4.6270

■ 66.1181, 63.6183,
33.0308

■ 71.1564, 70.3713,
44.9560

76.8946, 77.7855,
59.3921

83.3634, 85.8814,
76.4748

90.5915, 94.6785,
96.3302

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.



66.6489, 47.0975, 20.4592



54.8544, 47.0975, 10.7570



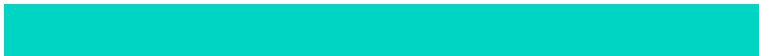
42.0734, 47.0975, 9.0500

Triad

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



54.8544, 47.0975, 10.7570



25.0782, 47.0975, 59.5579



60.4855, 47.0975, 127.4903

Complementary

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



54.8544, 47.0975, 10.7570



31.9244, 32.0196, 99.1050

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.



47.5685, 47.0975, 152.8333



54.8544, 47.0975, 10.7570



28.2870, 47.0975, 103.5203

Square

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



54.8544, 47.0975, 10.7570



26.3119, 47.0975, 28.7686



35.9950, 47.0975, 142.4807



70.2954, 47.0975, 83.2441

Rectangle

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



54.8544, 47.0975, 10.7570



34.9382, 47.0975, 11.3495



35.9950, 47.0975, 142.4807



56.2800, 47.0975, 139.2476

Sweetspot

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



54.8555, 47.0999, 10.7579



78.5589, 79.8919, 63.7138



49.1774, 27.1914, 35.2309



16.3383, 16.4961, 12.4024



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.



54.8555, 47.0999, 10.7579



51.0654, 40.6641, 5.9655



77.8692, 93.1273, 18.4291



18.7799, 19.5280, 18.9238



25.9266, 19.8644, 2.4677



2.6338, 2.1529, 0.2767

Inverse Universe

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



31.9244, 32.0196, 99.1050



27.2010, 24.9992, 97.9994



21.7595, 11.6898, 95.7167



17.7333, 18.8382, 22.9514



13.3583, 11.6262, 50.9746



1.4095, 1.3498, 4.9995

Previews

White Background



This preview shows how the XYZ color 54.8544, 47.0975, 10.7570 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 54.8544, 47.0975, 10.7570 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 54.8544, 47.0975, 10.7570

Background



This preview shows how black text looks on a background with the XYZ color 54.8544, 47.0975, 10.7570.



This preview shows how white text looks on a background with the XYZ color 54.8544, 47.0975,

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

54.8544, 47.0975, 10.7570

Protanopia

42.8787, 47.1217, 12.3043

Deuteranopia

48.2129, 47.2356, 10.5793



Tritanopia

59.4964, 47.0515, 41.0680

Trichromacy



Original Color

54.8544, 47.0975, 10.7570

Protanomaly

46.7448, 46.7413, 11.7125

Deuteranomaly

50.2373, 46.8688, 10.5365

Tritanomaly

57.1277, 46.9062, 26.1215

Monochromacy



Original Color

54.8544, 47.0975, 10.7570

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.6501, 44.4044, 29.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8544, 47.0975, 10.7570 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 62) }
```

Border

The CSS property to change the border of an element to XYZ 54.8544, 47.0975, 10.7570 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, 62) }
```


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

```
.border{ border-color:rgb(255, 161, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8544, 47.0975, 10.7570 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, 62) }
```

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

```
.background{ background-color: rgb(255,  
161, 62) }
```

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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