

Converting Colors

XYZ(84.2685, 62.1042, 15.6774)

Have a look what the booklet for
XYZ(84.2685, 62.1042, 15.6774)
contains.

XYZ(55.5462, 47.3743, 14.4002)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.5462, 47.3743,
14.4002)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA153
RGB	255, 161, 83
RGB Percent	100%, 63%, 33%
CMY	0.0000, 0.3686, 0.6745
CMYK	0.00, 0.37, 0.67, 0.00
HSL	27°, 100%, 66%
HSV	27°, 67%, 100%
XYZ	55.5462, 47.3743, 14.4002
YIQ	180.2140, 81.0620, -4.3300

Conversions

Conversions Part 2

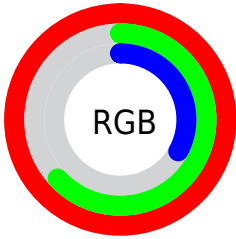
Format	Color
R _Y B	255, 226, 83
Decimal	16752979
CIE Lab	74.43, 28.25, 54.01
CIE LCh	74, 60.956, 62.387
Yxy	47.3743, 0.4735, 0.4038
Android (android.graphics.Color)	4294943059 (0xFFFFA153)
YUV	180.2140, -47.9265, 65.5873
Hunter-Lab	68.8290, 23.6019, 35.7758

Details

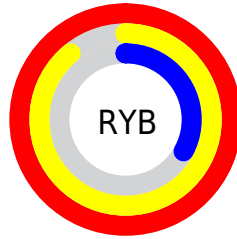
The XYZ color **55.5462, 47.3743, 14.4002** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **37.3384, 40.5011, 100.4566**, and the grayscale version is **43.7177, 45.9944, 50.0879**.

A 20% lighter version of the original color is **70.1690, 72.1210, 33.1441**, and **27.7083, 22.3737, 4.1545** is the 20% darker color. If you saturate the color by 10%, you get **52.4358, 42.4502, 9.3670**, and if you desaturate by 10%, it is **59.2921, 52.9908, 21.4312**.

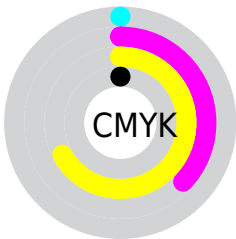
Distribution



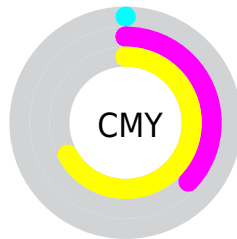
- Red (100%)
- Green (63%)
- Blue (33%)



- Red (100%)
- Yellow (89%)
- Blue (33%)



- Cyan (0%)
- Magenta (37%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5462, 47.3743, 14.4002 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 55.5462, 47.3743, 14.4002 by changing the saturation by 10% instead.


 55.5462, 47.3743,
14.4002


 55.5462, 47.3743,
14.4002


398.0819,
376.3066, 231.2208


 40.0748, 33.3317,
8.2576


 97.4844, 86.2721,
34.5247


 27.7813, 22.3806,
4.1701


 124.6819,
111.8960, 49.3438


 18.3005, 14.1369,
1.7191


 156.5188,
142.1491, 67.8921

 11.2669, 8.2159,
0.3738

 193.3605,
177.4158, 90.5881

 6.3153, 4.2334,
0.0000

 235.5723,
218.0805, 117.8505

 3.0802, 1.8050,
0.0000

283.5195,

 1.1963, 0.4903,

264.5276, 150.0977

0.0000

337.5676,
317.1415, 187.7483

■ 0.1035, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.5462, 47.3743,
14.4002

■ 55.5462, 47.3743,
14.4002

■ 52.4358, 42.4502,
9.3670

■ 59.2921, 52.9908,
21.4312

■ 49.9068, 38.1768,
6.1052

■ 63.7142, 59.3236,
30.6476

■ 47.8963, 34.5159,
4.3246

■ 68.8531, 66.4039,
42.2181

■ 47.4447, 33.6698,
3.9983

■ 74.7447, 74.2584,
56.2940

81.4224, 82.9124,
73.0135

88.9172, 92.3898,
92.5050

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.



65.3266, 47.3743, 25.4886



55.5462, 47.3743, 14.4002



44.1537, 47.3743, 11.6722

Triad

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



55.5462, 47.3743, 14.4002



27.0471, 47.3743, 54.1437



57.3176, 47.3743, 121.3965

Complementary

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



55.5462, 47.3743, 14.4002



37.3384, 40.5011, 100.4566

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.



45.9135, 47.3743, 138.7188



55.5462, 47.3743, 14.4002



29.4408, 47.3743, 91.2494

Square

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



55.5462, 47.3743, 14.4002



28.7829, 47.3743, 28.3151



35.9290, 47.3743, 125.9098



66.4607, 47.3743, 85.0131

Rectangle

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



55.5462, 47.3743, 14.4002



37.4517, 47.3743, 13.4272



35.9290, 47.3743, 125.9098



53.5624, 47.3743, 130.1836

Sweetspot

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



55.5473, 47.3767, 14.4011



79.6437, 80.6288, 68.4920



52.3290, 30.6451, 45.0666



16.6403, 16.7322, 13.6374



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.



55.5473, 47.3767, 14.4011



51.4745, 40.8605, 8.0191



75.8785, 88.0392, 21.1782



18.6879, 19.3439, 18.8931



24.9357, 17.8826, 2.1374



2.5353, 1.9561, 0.2439

Inverse Universe

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



37.3384, 40.5011, 100.4566



32.0919, 33.4626, 99.3753



25.4102, 16.6446, 96.4806



17.8257, 19.0231, 22.9823



14.4337, 13.7769, 51.3331



1.5146, 1.5599, 5.0345

Previews

White Background



This preview shows how the XYZ color 55.5462, 47.3743, 14.4002 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 55.5462, 47.3743, 14.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

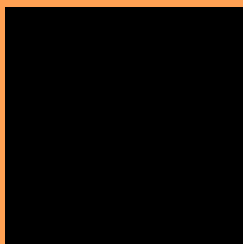
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.5462, 47.3743, 14.4002

Background



This preview shows how black text looks on a background with the XYZ color 55.5462, 47.3743, 14.4002.



This preview shows how white text looks on a background with the XYZ color 55.5462, 47.3743,

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

55.5462, 47.3743, 14.4002

Protanopia

43.6146, 47.7157, 16.5842

Deuteranopia

48.4565, 47.5700, 14.2174



Tritanopia

59.7529, 47.4193, 41.6008

Trichromacy



Original Color

55.5462, 47.3743, 14.4002

Protanomaly

47.3698, 47.2684, 15.6439

Deuteranomaly

50.7850, 47.3481, 14.2470

Tritanomaly

57.6701, 47.1232, 28.9778

Monochromacy



Original Color

55.5462, 47.3743, 14.4002

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.7865, 45.1969, 33.0987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5462, 47.3743, 14.4002 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 83) }
```

Border

The CSS property to change the border of an element to XYZ 55.5462, 47.3743, 14.4002 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, 83) }
```


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

```
.border{ border-color:rgb(255, 161, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5462, 47.3743, 14.4002 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, 83) }
```

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

```
.background{ background-color: rgb(255,  
161, 83) }
```

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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