

Converting Colors

XYZ(63.8299, 51.4953, 15.8295)

Have a look what the booklet for
XYZ(63.8299, 51.4953, 15.8295)
contains.

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Color

**XYZ(55.7463, 47.4543,
15.4540)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA158
RGB	255, 161, 88
RGB Percent	100%, 63%, 35%
CMY	0.0000, 0.3686, 0.6549
CMYK	0.00, 0.37, 0.65, 0.00
HSL	26°, 100%, 67%
HSV	26°, 65%, 100%
XYZ	55.7463, 47.4543, 15.4540
YIQ	180.7840, 79.4570, -2.7750

Conversions

Conversions Part 2

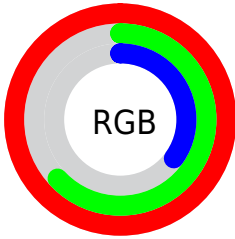
Format	Color
R _Y B	255, 218, 88
Decimal	16752984
CIE Lab	74.48, 28.53, 51.67
CIE LCh	74, 59.029, 61.092
Yxy	47.4543, 0.4698, 0.3999
Android (android.graphics.Color)	4294943064 (0xFFFFA158)
YUV	180.7840, -45.7425, 65.0874
Hunter-Lab	68.8871, 23.8973, 34.9199

Details

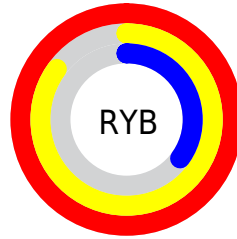
The XYZ color **55.7463, 47.4543, 15.4540** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **38.8014, 42.7484, 100.8133**, and the grayscale version is **44.0147, 46.3069, 50.4282**.

A 20% lighter version of the original color is **70.5295, 72.2652, 35.0422**, and **28.0507, 22.5402, 4.6225** is the 20% darker color. If you saturate the color by 10%, you get **52.5032, 42.3735, 10.0417**, and if you desaturate by 10%, it is **59.6488, 53.2635, 22.9085**.

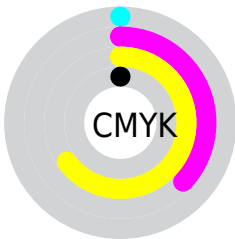
Distribution



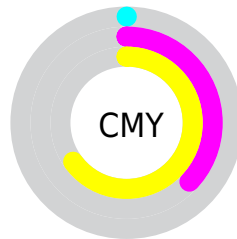
- Red (100%)
- Green (63%)
- Blue (35%)



- Red (100%)
- Yellow (85%)
- Blue (35%)



- Cyan (0%)
- Magenta (37%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7463, 47.4543, 15.4540 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 55.7463, 47.4543, 15.4540 by changing the saturation by 10% instead.


 55.7463, 47.4543,
15.4540

 55.7463, 47.4543,
15.4540


398.8253,
376.6250, 237.8326


 40.2358, 33.3949,
8.9885


 97.7755, 86.3914,
36.4012


 27.9074, 22.4292,
4.6370


 125.0249,
112.0378, 51.7199

 18.3960, 14.1726,
1.9809


 156.9179,
142.3155, 70.8268

 11.3361, 8.2408,
0.5435


 193.8199,
177.6087, 94.1404

 6.3623, 4.2494,
0.0000

236.0963,
218.3019, 122.0793

 3.1094, 1.8140,
0.0000

284.1124,

 1.2119, 0.4959,

264.7794, 155.0619

0.0000

338.2336,
317.4256, 193.5068

■ 0.1157, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7463, 47.4543,
15.4540

■ 55.7463, 47.4543,
15.4540

■ 52.5032, 42.3735,
10.0417

■ 59.6488, 53.2635,
22.9085

■ 49.8661, 37.9782,
6.4528

■ 64.2512, 59.8262,
32.5881

■ 47.7757, 34.2304,
4.4211

■ 69.5941, 67.1746,
44.6582

■ 46.9763, 32.7329,
3.8422

■ 75.7137, 75.3367,
59.2673

82.6436, 84.3390,
76.5519

90.4150, 94.2064,
96.6388

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.



65.0134, 47.4543, 26.9133



55.7463, 47.4543, 15.4540



44.7148, 47.4543, 12.4145

Triad

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



55.7463, 47.4543, 15.4540



27.5697, 47.4543, 52.7954



56.5284, 47.4543, 119.9311

Complementary

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



55.7463, 47.4543, 15.4540



38.8014, 42.7484, 100.8133

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.



45.4953, 47.4543, 135.2973



55.7463, 47.4543, 15.4540



29.7407, 47.4543, 88.2636

Square

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



55.7463, 47.4543, 15.4540



29.4460, 47.4543, 28.1860



35.9102, 47.4543, 121.9011



65.5127, 47.4543, 85.5262

Rectangle

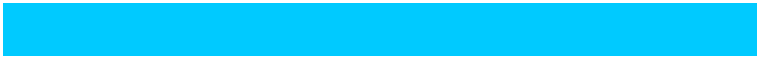
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.7463, 47.4543, 15.4540



38.1279, 47.4543, 13.9915



35.9102, 47.4543, 121.9011



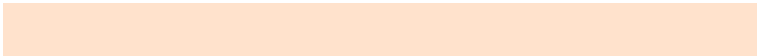
52.8827, 47.4543, 127.9881

Sweetspot

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



55.7474, 47.4567, 15.4549



79.4158, 80.1731, 68.4160



53.2388, 31.6434, 47.9020



16.5859, 16.6235, 13.6193



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.



55.7474, 47.4567, 15.4549



51.5114, 40.7542, 8.5863



75.3117, 86.5853, 21.9763



18.6627, 19.2935, 18.8847



24.6887, 17.3887, 2.0551



2.5103, 1.9059, 0.2356

Inverse Universe

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



38.8014, 42.7484, 100.8133



33.3538, 35.6050, 99.7223



26.5493, 18.2441, 96.7293



17.8513, 19.0742, 22.9908



14.7565, 14.4225, 51.4407



1.5456, 1.6219, 5.0449

Previews

White Background



This preview shows how the XYZ color 55.7463, 47.4543, 15.4540 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 55.7463, 47.4543, 15.4540 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 55.7463, 47.4543, 15.4540

Background



This preview shows how black text looks on a background with the XYZ color 55.7463, 47.4543, 15.4540.



This preview shows how white text looks on a background with the XYZ color 55.7463, 47.4543,

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

55.7463, 47.4543, 15.4540

Protanopia

43.8346, 47.8037, 17.7432

Deuteranopia

48.6482, 47.6467, 15.2270



Tritanopia

59.7529, 47.4193, 41.6008

Trichromacy



Original Color

55.7463, 47.4543, 15.4540

Protanomaly

47.5813, 47.3530, 16.7574

Deuteranomaly

50.9795, 47.4259, 15.2713

Tritanomaly

57.8123, 47.1801, 29.7265

Monochromacy



Original Color

55.7463, 47.4543, 15.4540

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.4149, 45.7886, 33.9955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7463, 47.4543, 15.4540 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 88) }
```

Border

The CSS property to change the border of an element to XYZ 55.7463, 47.4543, 15.4540 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, 88) }
```


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

```
.border{ border-color:rgb(255, 161, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7463, 47.4543, 15.4540 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, 88) }
```

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

```
.background{ background-color: rgb(255,  
161, 88) }
```

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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