

Converting Colors

XYZ(66.9864, 53.0530, 16.0288)

Have a look what the booklet for
XYZ(66.9864, 53.0530, 16.0288)
contains.

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Color

**XYZ(55.5723, 47.1062,
15.3959)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA058
RGB	255, 160, 88
RGB Percent	100%, 63%, 35%
CMY	0.0000, 0.3725, 0.6549
CMYK	0.00, 0.37, 0.65, 0.00
HSL	26°, 100%, 67%
HSV	26°, 65%, 100%
XYZ	55.5723, 47.1062, 15.3959
YIQ	180.1970, 79.7320, -2.2520

Conversions

Conversions Part 2

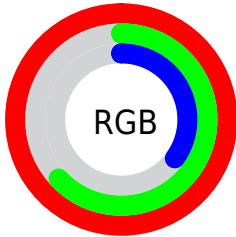
Format	Color
R_{YB}	255, 215, 88
Decimal	16752728
CIE _{Lab}	74.26, 29.06, 51.42
CIE _{LCh}	74, 59.063, 60.532
Yxy	47.1062, 0.4707, 0.3990
Android (android.graphics.Color)	4294942808 (0xFFFFA058)
YUV	180.1970, -45.4531, 65.6022
Hunter-Lab	68.6340, 24.4204, 34.7439

Details

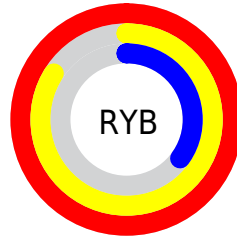
The XYZ color **55.5723, 47.1062, 15.3959** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.0069, 43.1594, 100.8820**, and the grayscale version is **43.6961, 45.9717, 50.0631**.

A 20% lighter version of the original color is **70.2741, 71.7543, 34.9571**, and **27.6888, 22.1962, 4.5752** is the 20% darker color. If you saturate the color by 10%, you get **52.3255, 42.0179, 9.9824**, and if you desaturate by 10%, it is **59.4840, 52.9339, 22.8535**.

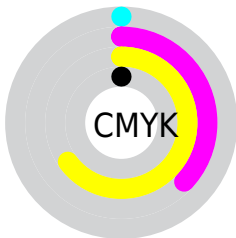
Distribution



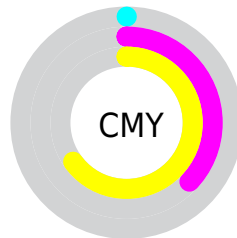
- Red (100%)
- Green (63%)
- Blue (35%)



- Red (100%)
- Yellow (84%)
- 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 55.5723, 47.1062, 15.3959 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 55.5723, 47.1062, 15.3959 by changing the saturation by 10% instead.


 55.5723, 47.1062,
15.3959


 55.5723, 47.1062,
15.3959


398.1789,
375.2383, 237.4729


 40.0958, 33.1196,
8.9480

 97.5224, 85.8721,
36.2983

 27.7978, 22.2181,
4.6109


 124.7267,
111.4203, 51.5899

 18.3129, 14.0172,
1.9661


 156.5709,
141.5910, 70.6665

 11.2759, 8.1327,
0.5343

 193.4205,
176.7688, 93.9465

 6.3214, 4.1800,
0.0000

235.6407,
217.3381, 121.8487

 3.0840, 1.7747,
0.0000

283.5969,

 1.1983, 0.4713,

263.6831, 154.7914

0.0000

337.6545,
316.1884, 193.1933

■ 0.1051, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.5723, 47.1062,
15.3959

■ 55.5723, 47.1062,
15.3959

■ 52.3255, 42.0179,
9.9824

■ 59.4840, 52.9339,
22.8535

■ 49.6897, 37.6253,
6.3939


■ 64.1014, 59.5266,
32.5381


■ 47.6054, 33.8898,
4.3644

■ 69.4655, 66.9173,
44.6151

■ 46.8103, 32.4009,
3.7868

■ 75.6127, 75.1346,
59.2334

 82.5768, 84.2053,
76.5295

 90.3894, 94.1551,
96.6301

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.



64.7344, 47.1062, 26.9747



55.5723, 47.1062, 15.3959



44.5839, 47.1062, 12.2521

Triad

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



55.5723, 47.1062, 15.3959



27.3210, 47.1062, 51.8351



55.9521, 47.1062, 119.8306

Complementary

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



55.5723, 47.1062, 15.3959



39.0069, 43.1594, 100.8820

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.



44.9627, 47.1062, 134.6563



55.5723, 47.1062, 15.3959



29.4054, 47.1062, 87.0479

Square

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



55.5723, 47.1062, 15.3959



29.2625, 47.1062, 27.5915



35.4721, 47.1062, 120.7883



64.9769, 47.1062, 85.7178

Rectangle

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



55.5723, 47.1062, 15.3959



37.9950, 47.1062, 13.7356



35.4721, 47.1062, 120.7883



52.3127, 47.1062, 127.7233

Sweetspot

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



55.5734, 47.1086, 15.3968



79.3327, 80.0069, 68.3883



53.5308, 31.7601, 49.4391



16.5661, 16.5839, 13.6127



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.



55.5734, 47.1086, 15.3968



51.3335, 40.3984, 8.5270



74.4812, 84.9243, 21.6994



18.6535, 19.2751, 18.8817



24.6011, 17.2134, 2.0259



2.5013, 1.8880, 0.2326

Inverse Universe

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



39.0069, 43.1594, 100.8820



33.5757, 36.0488, 99.7962



26.8180, 18.7815, 96.8190



17.8607, 19.0930, 22.9939



14.8775, 14.6646, 51.4810



1.5572, 1.6450, 5.0487

Previews

White Background



This preview shows how the XYZ color 55.5723, 47.1062, 15.3959 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 55.5723, 47.1062, 15.3959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

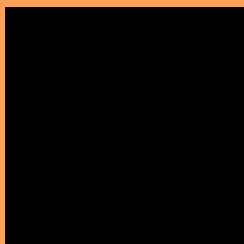
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.5723, 47.1062, 15.3959

Background



This preview shows how black text looks on a background with the XYZ color 55.5723, 47.1062, 15.3959.



This preview shows how white text looks on a background with the XYZ color 55.5723, 47.1062,

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

55.5723, 47.1062, 15.3959

Protanopia

43.4019, 47.2681, 17.9025

Deuteranopia

48.1398, 47.0967, 15.1477



Tritanopia

59.4964, 47.0515, 41.0680

Trichromacy



Original Color

55.5723, 47.1062, 15.3959

Protanomaly

47.1245, 46.8224, 16.9098

Deuteranomaly

50.7927, 47.0523, 15.2090

Tritanomaly

57.5724, 46.8145, 29.2943

Monochromacy



Original Color

55.5723, 47.1062, 15.3959

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.9422, 45.2591, 33.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5723, 47.1062, 15.3959 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, 160, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 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, 160, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 88) }
```

Border

The CSS property to change the border of an element to XYZ 55.5723, 47.1062, 15.3959 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, 160, 88) }
```


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

```
.border{ border-color:rgb(255, 160, 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, 160, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5723, 47.1062, 15.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 88) }
```

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

```
.background{ background-color: rgb(255,  
160, 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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