

Converting Colors

XYZ(56.3119, 47.8762, 17.8288)

Have a look what the booklet for
XYZ(56.3119, 47.8762, 17.8288)
contains.

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Color

**XYZ(56.3649, 47.9825,
17.8461)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA262
RGB	255, 162, 98
RGB Percent	100%, 64%, 38%
CMY	0.0000, 0.3647, 0.6157
CMYK	0.00, 0.36, 0.62, 0.00
HSL	24°, 100%, 69%
HSV	24°, 62%, 100%
XYZ	56.3649, 47.9825, 17.8461
YIQ	182.5110, 75.9720, -0.1880

Conversions

Conversions Part 2

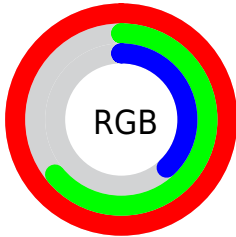
Format	Color
R _Y B	255, 206, 98
Decimal	16753250
CIE Lab	74.81, 28.64, 47.12
CIE LCh	75, 55.142, 58.714
Yxy	47.9825, 0.4613, 0.3927
Android (android.graphics.Color)	4294943330 (0xFFFFFA262)
YUV	182.5110, -41.6639, 63.5729
Hunter-Lab	69.2694, 24.0250, 33.2135

Details

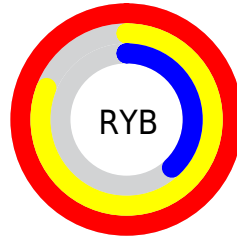
The XYZ color **56.3649, 47.9825, 17.8461** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.7166, 47.0758, 101.4949**, and the grayscale version is **44.9348, 47.2749, 51.4824**.

A 20% lighter version of the original color is **71.5579, 73.0877, 39.1900**, and **28.3576, 22.8346, 5.7092** is the 20% darker color. If you saturate the color by 10%, you get **52.8445, 42.5717, 11.6491**, and if you desaturate by 10%, it is **60.5905, 54.1908, 26.1705**.

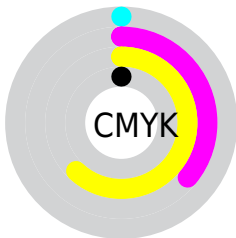
Distribution



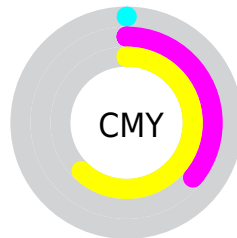
- Red (100%)
- Green (64%)
- Blue (38%)



- Red (100%)
- Yellow (81%)
- Blue (38%)



- Cyan (0%)
- Magenta (36%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (36%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3649, 47.9825, 17.8461 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 56.3649, 47.9825, 17.8461 by changing the saturation by 10% instead.


 56.3649, 47.9825,
17.8461


 56.3649, 47.9825,
17.8461


401.1180,
378.7228, 252.2091


 40.7337, 33.8130,
10.6713


 98.6746, 87.1783,
40.5853


 28.2978, 22.7500,
5.7349


 126.0839,
112.9735, 56.9867

 18.6919, 14.4090,
2.6184

 158.1498,
143.4127, 77.3008

 11.5505, 8.4057,
0.9019

 195.2379,
178.8803, 101.9460

 6.5084, 4.3556,
0.0000

237.7133,
219.7607, 131.3409

 3.2002, 1.8744,
0.0000

285.9416,

 1.2605, 0.5329,

266.4383, 165.9040

0.0000

340.2880,
319.2975, 206.0539

■ 0.1534, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3649, 47.9825,
17.8461

■ 56.3649, 47.9825,
17.8461

■ 52.8445, 42.5717,
11.6491

■ 60.5905, 54.1908,
26.1705

■ 49.9769, 37.9132,
7.3735


■ 65.5616, 61.2237,
36.7965


■ 47.7056, 33.9675,
4.7762

■ 71.3190, 69.1160,
49.8832

■ 46.1859, 31.1522,
3.5787

■ 77.8991, 77.8978,
65.5747

 85.3360, 87.5977,
84.0039

 93.6616, 98.2430,
105.2944

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.



64.6837, 47.9825, 29.9596



56.3649, 47.9825, 17.8461



46.0399, 47.9825, 14.2101

Triad

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



56.3649, 47.9825, 17.8461



28.9236, 47.9825, 51.0157



55.5065, 47.9825, 117.1465

Complementary

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



56.3649, 47.9825, 17.8461



41.7166, 47.0758, 101.4949

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.



45.1747, 47.9825, 129.1384



56.3649, 47.9825, 17.8461



30.7049, 47.9825, 83.5039

Square

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



56.3649, 47.9825, 17.8461



31.0384, 47.9825, 28.5028



36.3114, 47.9825, 115.0371



64.1392, 47.9825, 86.4716

Rectangle

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



56.3649, 47.9825, 17.8461



39.6974, 47.9825, 15.4645



36.3114, 47.9825, 115.0371



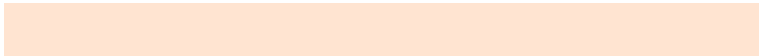
52.0734, 47.9825, 123.9014

Sweetspot

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



56.3660, 47.9849, 17.8470



80.4529, 81.2522, 71.8295



55.1443, 33.8103, 53.6053



16.7727, 16.8039, 14.2770



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.



56.3660, 47.9849, 17.8470



52.0892, 41.3709, 10.4407



74.3987, 84.0503, 23.8579



18.6174, 19.2030, 18.8696



24.2710, 16.5532, 1.9159



2.4673, 1.8200, 0.2212

Inverse Universe

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



41.7166, 47.0758, 101.4949



36.2514, 40.2574, 100.4675



29.0708, 21.7842, 97.2797



17.8975, 19.1666, 23.0062



15.3680, 15.6456, 51.6445



1.6038, 1.7383, 5.0643

Previews

White Background



This preview shows how the XYZ color 56.3649, 47.9825, 17.8461 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 56.3649, 47.9825, 17.8461 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 56.3649, 47.9825, 17.8461

Background



This preview shows how black text looks on a background with the XYZ color 56.3649, 47.9825, 17.8461.



This preview shows how white text looks on a background with the XYZ color 56.3649, 47.9825,

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

56.3649, 47.9825, 17.8461

Protanopia

44.3076, 48.2951, 20.6223

Deuteranopia

49.2694, 48.2078, 17.5347



Tritanopia

60.1035, 47.8270, 42.6229

Trichromacy



Original Color

56.3649, 47.9825, 17.8461

Protanomaly

47.9891, 47.7957, 19.5282

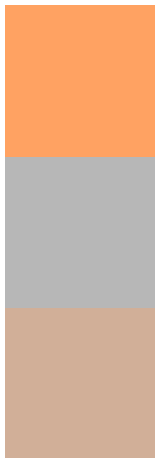
Deuteranomaly

51.5993, 47.9749, 17.6068

Tritanomaly

58.3493, 47.6667, 31.7164

Monochromacy



Original Color

56.3649, 47.9825, 17.8461

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

47.2920, 46.4823, 36.1852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3649, 47.9825, 17.8461 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, 162, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 98)  
}
```

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, 162, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 98) }
```

Border

The CSS property to change the border of an element to XYZ 56.3649, 47.9825, 17.8461 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, 162, 98) }
```


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

```
.border{ border-color:rgb(255, 162, 98) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 162, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3649, 47.9825, 17.8461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 98) }
```

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

```
.background{ background-color: rgb(255,  
162, 98) }
```

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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