

Converting Colors

XYZ(56.5788, 47.7269, 18.0286)

Have a look what the booklet for
XYZ(56.5788, 47.7269, 18.0286)
contains.

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Color

**XYZ(56.2370, 47.6506,
18.0379)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA163
RGB	255, 161, 99
RGB Percent	100%, 63%, 39%
CMY	0.0000, 0.3686, 0.6118
CMYK	0.00, 0.37, 0.61, 0.00
HSL	24°, 100%, 69%
HSV	24°, 61%, 100%
XYZ	56.2370, 47.6506, 18.0379
YIQ	182.0380, 75.9260, 0.6460

Conversions

Conversions Part 2

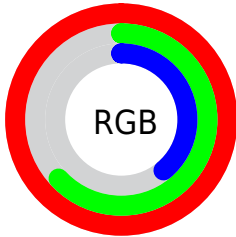
Format	Color
R _Y B	255, 202, 99
Decimal	16752995
CIE Lab	74.60, 29.22, 46.37
CIE LCh	75, 54.811, 57.781
Yxy	47.6506, 0.4612, 0.3908
Android (android.graphics.Color)	4294943075 (0xFFFFA163)
YUV	182.0380, -40.9377, 63.9877
Hunter-Lab	69.0294, 24.6192, 32.8277

Details

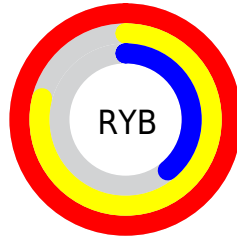
The XYZ color **56.2370, 47.6506, 18.0379** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.2644, 48.0101, 101.6465**, and the grayscale version is **44.6723, 46.9988, 51.1817**.

A 20% lighter version of the original color is **71.3818, 72.6061, 39.5303**, and **28.2712, 22.6284, 5.7834** is the 20% darker color. If you saturate the color by 10%, you get **52.6830, 42.1954, 11.7588**, and if you desaturate by 10%, it is **60.5080, 53.9244, 26.4550**.

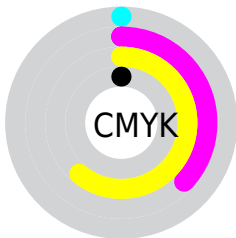
Distribution



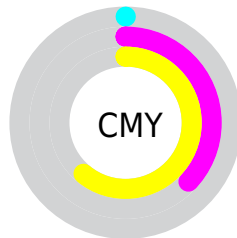
- Red (100%)
- Green (63%)
- Blue (39%)



- Red (100%)
- Yellow (79%)
- Blue (39%)



- Cyan (0%)
- Magenta (37%)
- Yellow (61%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2370, 47.6506, 18.0379 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 56.2370, 47.6506, 18.0379 by changing the saturation by 10% instead.


 56.2370, 47.6506,
18.0379


 56.2370, 47.6506,
18.0379


400.6446,
377.4055, 253.3279


 40.6307, 33.5503,
10.8075


 98.4888, 86.6840,
40.9167


 28.2170, 22.5483,
5.8250


 125.8651,
112.3858, 57.4022

 18.6306, 14.2604,
2.6719


 157.8953,
142.7235, 77.8097

 11.5061, 8.3020,
0.9292

 194.9450,
178.0817, 102.5579

 6.4781, 4.2888,
0.0000

237.3794,
218.8445, 132.0653

 3.1813, 1.8364,
0.0000

285.5639,

 1.2504, 0.5097,

265.3965, 166.7504

0.0000

339.8638,
318.1221, 207.0317

■ 0.1456, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.2370, 47.6506,
18.0379

■ 56.2370, 47.6506,
18.0379

■ 52.6830, 42.1954,
11.7588

■ 60.5080, 53.9244,
26.4550

■ 49.7930, 37.5128,
7.4129


■ 65.5366, 61.0453,
37.1838


■ 47.5104, 33.5617,
4.7587

■ 71.3641, 69.0490,
50.3829

■ 45.9281, 30.6365,
3.4928

■ 78.0274, 77.9667,
66.1961

 85.5609, 87.8279,
84.7560

 93.9970, 98.6609,
106.1862

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.



64.3433, 47.6506, 30.3644



56.2370, 47.6506, 18.0379



46.0327, 47.6506, 14.2086

Triad

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



56.2370, 47.6506, 18.0379



28.7829, 47.6506, 49.7978



54.7727, 47.6506, 116.7524

Complementary

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



56.2370, 47.6506, 18.0379



42.2644, 48.0101, 101.6465

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.



44.5562, 47.6506, 127.8248



56.2370, 47.6506, 18.0379



30.4275, 47.6506, 81.7283

Square

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



56.2370, 47.6506, 18.0379



30.9973, 47.6506, 27.8736



35.8654, 47.6506, 113.1593



63.4148, 47.6506, 86.7868

Rectangle

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



56.2370, 47.6506, 18.0379



39.7130, 47.6506, 15.3193



35.8654, 47.6506, 113.1593



51.3671, 47.6506, 123.1974

Sweetspot

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



56.2381, 47.6530, 18.0388



80.3243, 80.9950, 71.7866



55.5748, 34.1332, 55.4079



16.7416, 16.7416, 14.2666



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.



56.2381, 47.6530, 18.0388



52.1080, 41.2848, 10.8282



73.7182, 82.6132, 23.8655



18.6018, 19.1717, 18.8644



24.1344, 16.2801, 1.8703



2.4531, 1.7915, 0.2165

Inverse Universe

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



42.2644, 48.0101, 101.6465



37.0195, 41.5315, 100.6730



29.5805, 22.6424, 97.4185



17.9136, 19.1987, 23.0115



15.5888, 16.0872, 51.7181



1.6246, 1.7800, 5.0712

Previews

White Background



This preview shows how the XYZ color 56.2370, 47.6506, 18.0379 looks on a white background.

Color Contrast Check

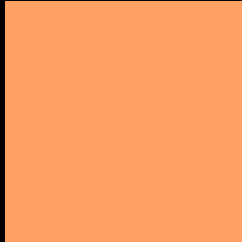
Large Text (above 18pt) WCAG AA × Fail

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 56.2370, 47.6506, 18.0379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

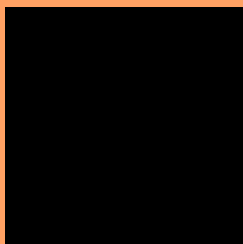
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2370, 47.6506, 18.0379

Background



This preview shows how black text looks on a background with the XYZ color 56.2370, 47.6506, 18.0379.



This preview shows how white text looks on a background with the XYZ color 56.2370, 47.6506,

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

56.2370, 47.6506, 18.0379

Protanopia

44.1515, 47.8991, 20.8283

Deuteranopia

48.8053, 47.6732, 17.6959



Tritanopia

60.0114, 47.7901, 42.1379

Trichromacy



Original Color

56.2370, 47.6506, 18.0379

Protanomaly

47.8428, 47.4223, 19.7285

Deuteranomaly

51.4574, 47.6170, 17.7882

Tritanomaly

58.3493, 47.6667, 31.7164

Monochromacy



Original Color

56.2370, 47.6506, 18.0379

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

47.0980, 46.0944, 36.1205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2370, 47.6506, 18.0379 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 99) }
```

Border

The CSS property to change the border of an element to XYZ 56.2370, 47.6506, 18.0379 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, 99) }
```


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

```
.border{ border-color:rgb(255, 161, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2370, 47.6506, 18.0379 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, 99) }
```

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

```
.background{ background-color: rgb(255,  
161, 99) }
```

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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