

Converting Colors

XYZ(56.0162, 47.5199, 18.7903)

Have a look what the booklet for
XYZ(56.0162, 47.5199, 18.7903)
contains.

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Color

**XYZ(56.0162, 47.5199,
18.7903)**

Conversions

Conversions Part 1

Format	Color
Hex	FEA166
RGB	254, 161, 102
RGB Percent	100%, 63%, 40%
CMY	0.0039, 0.3686, 0.6000
CMYK	0.00, 0.37, 0.60, 0.00
HSL	23°, 99%, 70%
HSV	23°, 60%, 100%
XYZ	56.0162, 47.5199, 18.7903
YIQ	182.0810, 74.3670, 1.3670

Conversions

Conversions Part 2

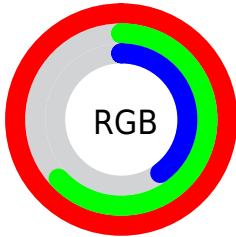
Format	Color
RYB	254, 198, 102
Decimal	16687462
CIELab	74.52, 29.03, 44.72
CIElCh	75, 53.317, 57.011
Yxy	47.5199, 0.4579, 0.3885
Android (android.graphics.Color)	4294877542 (0xFFFEA166)
YUV	182.0810, -39.4799, 63.0730
Hunter-Lab	68.9347, 24.4131, 32.0929

Details

The XYZ color **56.0162, 47.5199, 18.7903** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.8828, 49.0082, 100.9648**, and the grayscale version is **44.6887, 47.0160, 51.2004**.

A 20% lighter version of the original color is **71.6286, 72.7048, 40.8301**, and **28.1036, 22.5318, 6.2360** is the 20% darker color. If you saturate the color by 10%, you get **52.3954, 41.9949, 12.2920**, and if you desaturate by 10%, it is **60.3626, 53.8791, 27.4346**.

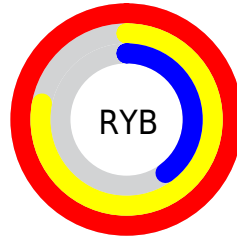
Distribution



Red (100%)

Green (63%)

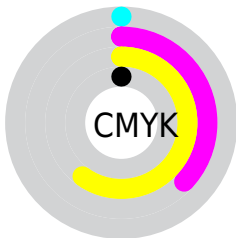
Blue (40%)



Red (100%)

Yellow (78%)

Blue (40%)

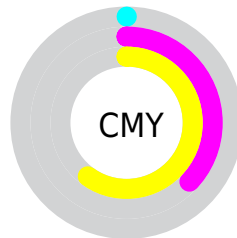


Cyan (0%)

Magenta (37%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0162, 47.5199, 18.7903 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 56.0162, 47.5199, 18.7903 by changing the saturation by 10% instead.

56.0162, 47.5199,
18.7903

56.0162, 47.5199,
18.7903

399.8266,
376.8860, 257.6727

40.4530, 33.4468,
11.3436

98.1679, 86.4892,
42.2114

28.0777, 22.4690,
6.1814

125.4871,
112.1541, 59.0229

18.5250, 14.2019,
2.8851

157.4557,
142.4519, 79.7930

11.4295, 8.2612,
1.0363

194.4390,
177.7668, 104.9404

6.4259, 4.2626,
0.0000

236.8024,
218.4833, 134.8835

3.1489, 1.8215,
0.0000

284.9112,

1.2330, 0.5005,

264.9857, 170.0409

0.0000

339.1308,
317.6585, 210.8311

■ 0.1322, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.0162, 47.5199,
18.7903

■ 56.0162, 47.5199,
18.7903

■ 52.3954, 41.9949,
12.2920

■ 60.3626, 53.8791,
27.4346

■ 49.4479, 37.2576,
7.7406

■ 65.4749, 61.1014,
38.3941

■ 47.1183, 33.2668,
4.9035

■ 71.3939, 69.2229,
51.8243

■ 45.3225, 29.9666,
3.4069

■ 78.1563, 78.2754,
67.8660

■ 45.2971, 29.9192,
3.3876

■ 85.7964, 88.2888,
86.6495

■ 94.3464, 99.2918,
108.2962

■ 94.6828, 99.8107,
108.8828

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.7520, 47.5199, 31.2010



56.0162, 47.5199, 18.7903



46.1385, 47.5199, 14.7972

Triad

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



56.0162, 47.5199, 18.7903



29.0842, 47.5199, 49.0254



54.1082, 47.5199, 114.8219

Complementary

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



56.0162, 47.5199, 18.7903



42.8828, 49.0082, 100.9648

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.



44.2078, 47.5199, 124.8174



56.0162, 47.5199, 18.7903



30.5970, 47.5199, 79.7546

Square

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



56.0162, 47.5199, 18.7903



31.3477, 47.5199, 27.9064



35.8164, 47.5199, 110.1822



62.5450, 47.5199, 86.3164

Rectangle

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



56.0162, 47.5199, 18.7903



39.9629, 47.5199, 15.7946



35.8164, 47.5199, 110.1822



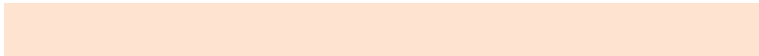
50.8027, 47.5199, 120.8174

Sweetspot

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



56.0173, 47.5223, 18.7912



80.2078, 80.7619, 71.7477



55.5579, 34.5473, 55.8059



16.7133, 16.6851, 14.2572



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.



56.0173, 47.5223, 18.7912



52.1637, 41.2670, 11.2448



73.3434, 82.1745, 24.5665



18.5876, 19.1434, 18.8597



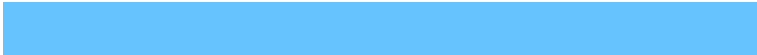
24.0138, 16.0389, 1.8301



2.4404, 1.7661, 0.2123

Inverse Universe

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



42.8828, 49.0082, 100.9648



37.7617, 42.7423, 100.8676



30.0537, 23.3499, 96.6884



17.9282, 19.2279, 23.0164



15.7936, 16.4968, 51.7864



1.6439, 1.8185, 5.0776

Previews

White Background



This preview shows how the XYZ color 56.0162, 47.5199, 18.7903 looks on a white background.

Color Contrast Check

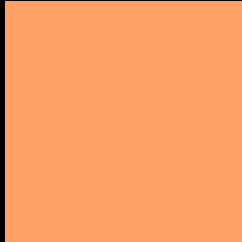
Large Text (above 18pt) WCAG AA × Fail

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 56.0162, 47.5199, 18.7903 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 56.0162, 47.5199, 18.7903

Background



This preview shows how black text looks on a background with the XYZ color 56.0162, 47.5199, 18.7903.



This preview shows how white text looks on a background with the XYZ color 56.0162, 47.5199,

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

56.0162, 47.5199, 18.7903

Protanopia

44.0424, 47.8243, 21.6616

Deuteranopia

48.6334, 47.5683, 18.4227



Tritanopia

59.8443, 47.4559, 42.0822

Trichromacy



Original Color

56.0162, 47.5199, 18.7903

Protanomaly

47.6944, 47.3278, 20.5313

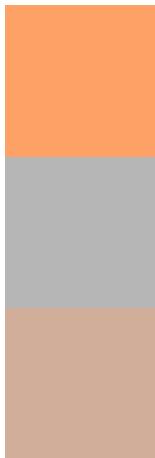
Deuteranomaly

51.2670, 47.5024, 18.5234

Tritanomaly

58.2549, 47.3571, 32.0571

Monochromacy



Original Color

56.0162, 47.5199, 18.7903

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.8982, 45.9819, 36.5406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0162, 47.5199, 18.7903 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(254, 161, 102)` looks like.

```
.text, #text, p{  
    color:rgb(254, 161, 102)  
}
```

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(254, 161, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 161, 102) }
```

Border

The CSS property to change the border of an element to XYZ 56.0162, 47.5199, 18.7903 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(254, 161, 102) }
```


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

```
.border{ border-color:rgb(254, 161, 102) }
```

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

Here you see how a box with a 4 pixel rgb(254, 161, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 161, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 161, 102);  
box-shadow:4px 4px 4px 4px rgb(254, 161,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0162, 47.5199, 18.7903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 161, 102) }
```

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

```
.background{ background-color: rgb(254,  
161, 102) }
```

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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