

Converting Colors

XYZ(82.5682, 60.2982, 25.7438)

Have a look what the booklet for
XYZ(82.5682, 60.2982, 25.7438)
contains.

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Color

**XYZ(56.9797, 47.1189,
24.5040)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E7A
RGB	255, 158, 122
RGB Percent	100%, 62%, 48%
CMY	0.0000, 0.3804, 0.5216
CMYK	0.00, 0.38, 0.52, 0.00
HSL	16°, 100%, 74%
HSV	16°, 52%, 100%
XYZ	56.9797, 47.1189, 24.5040
YIQ	182.8990, 69.3680, 9.3680

Conversions

Conversions Part 2

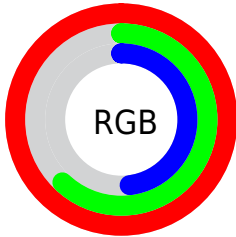
Format	Color
R _Y B	255, 171, 122
Decimal	16752250
CIE Lab	74.27, 32.52, 33.98
CIE LCh	74, 47.032, 46.256
Yxy	47.1189, 0.4431, 0.3664
Android (android.graphics.Color)	4294942330 (0xFFFF9E7A)
YUV	182.8990, -30.0232, 63.2326
Hunter-Lab	68.6432, 28.0446, 26.8851

Details

The XYZ color **56.9797, 47.1189, 24.5040** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.4060, 62.0173, 103.8685**, and the grayscale version is **45.0883, 47.4364, 51.6583**.

A 20% lighter version of the original color is **72.7721, 71.9436, 50.6084**, and **28.8623, 22.3912, 9.1041** is the 20% darker color. If you saturate the color by 10%, you get **52.6665, 40.6981, 16.2674**, and if you desaturate by 10%, it is **62.1897, 54.6702, 35.0851**.

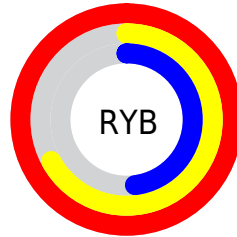
Distribution



Red (100%)

Green (62%)

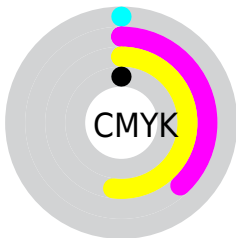
Blue (48%)



Red (100%)

Yellow (67%)

Blue (48%)

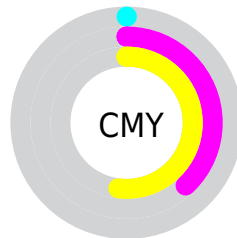


Cyan (0%)

Magenta (38%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9797, 47.1189, 24.5040 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 56.9797, 47.1189, 24.5040 by changing the saturation by 10% instead.


 56.9797, 47.1189,
24.5040

 56.9797, 47.1189,
24.5040


403.3887,
375.2889, 288.7269


 41.2290, 33.1297,
15.4923

 99.5671, 85.8911,
51.8055

 28.6865, 22.2258,
9.0151


 127.1345,
111.4428, 70.9324

 18.9869, 14.0229,
4.6541


 159.3716,
141.6175, 94.2680

 11.7648, 8.1366,
1.9906

196.6436,
176.7995, 122.2310

 6.6548, 4.1825,
0.5495

239.3160,
217.3733, 155.2398

 3.2915, 1.7762,
0.0000

287.7540,

 1.3097, 0.4722,

263.7232, 193.7131

0.0000

342.3231,
316.2336, 238.0692

■ 0.1905, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.9797, 47.1189,
24.5040

■ 56.9797, 47.1189,
24.5040

■ 52.6665, 40.6981,
16.2674

■ 62.1897, 54.6702,
35.0851

■ 49.1920, 35.3445,
10.1909

■ 68.3428, 63.3971,
48.1706

■ 46.4960, 30.9989,
6.0663

■ 75.4859, 73.3506,
63.9092

■ 44.5071, 27.5924,
3.6420

■ 83.6619, 84.5766,
82.4373

■ 43.3701, 25.5204,
2.6401

■ 92.9109, 97.1187,
103.8817

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.



62.2564, 47.1189, 39.3546



56.9797, 47.1189, 24.5040



48.7557, 47.1189, 18.0882

Triad

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



56.9797, 47.1189, 24.5040



30.7889, 47.1189, 41.0278



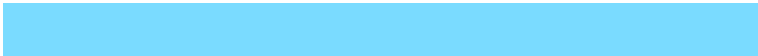
49.4870, 47.1189, 110.1666

Complementary

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



56.9797, 47.1189, 24.5040



51.4060, 62.0173, 103.8685

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.



41.0361, 47.1189, 111.0471



56.9797, 47.1189, 24.5040



30.9327, 47.1189, 65.4572

Square

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



56.9797, 47.1189, 24.5040



34.0468, 47.1189, 25.3954



34.4677, 47.1189, 92.7775



57.5727, 47.1189, 90.6543

Rectangle

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



56.9797, 47.1189, 24.5040



43.0386, 47.1189, 17.5668



34.4677, 47.1189, 92.7775



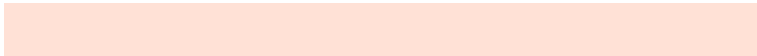
46.5782, 47.1189, 112.8216

Sweetspot

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



56.9809, 47.1213, 24.5049



80.3948, 80.1086, 74.9776



61.0560, 40.3219, 71.9514



16.8470, 16.6512, 15.2305



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.



56.9809, 47.1213, 24.5049



52.3420, 40.2061, 15.6740



71.3994, 75.9584, 29.3111



18.4094, 18.7870, 18.8003



22.7668, 13.5449, 1.4145



2.3026, 1.4906, 0.1664

Inverse Universe

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



51.4060, 62.0173, 103.8685



46.1227, 56.4596, 103.0746



37.4730, 34.1513, 99.2241



18.1145, 19.6007, 23.0785



18.7329, 22.3754, 52.7661



1.9146, 2.3599, 5.1679

Previews

White Background



This preview shows how the XYZ color 56.9797, 47.1189, 24.5040 looks on a white background.

Color Contrast Check

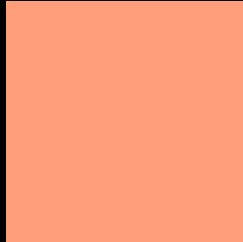
Large Text (above 18pt) WCAG AA × Fail

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 56.9797, 47.1189, 24.5040 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 56.9797, 47.1189, 24.5040

Background



This preview shows how black text looks on a background with the XYZ color 56.9797, 47.1189, 24.5040.



This preview shows how white text looks on a background with the XYZ color 56.9797, 47.1189,

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

56.9797, 47.1189, 24.5040

Protanopia

44.1243, 47.4032, 28.6539

Deuteranopia

48.1749, 47.2075, 24.0256



Tritanopia

59.5871, 47.0878, 41.5456

Trichromacy



Original Color

56.9797, 47.1189, 24.5040

Protanomaly

47.9458, 46.7360, 26.9160

Deuteranomaly

51.1824, 47.0556, 24.1543

Tritanomaly

58.3862, 46.8726, 34.4038

Monochromacy



Original Color

56.9797, 47.1189, 24.5040

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

47.8636, 46.4006, 40.1517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9797, 47.1189, 24.5040 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, 158, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 122)  
}
```

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, 158, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 122) }
```

Border

The CSS property to change the border of an element to XYZ 56.9797, 47.1189, 24.5040 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, 158, 122) }
```


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

```
.border{ border-color:rgb(255, 158, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9797, 47.1189, 24.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 122) }
```

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

```
.background{ background-color: rgb(255,  
158, 122) }
```

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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