

Converting Colors

XYZ(56.6825, 46.4748, 24.5592)

Have a look what the booklet for
XYZ(56.6825, 46.4748, 24.5592)
contains.

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Color

**XYZ(56.7036, 46.4670,
24.7193)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9C7B
RGB	255, 156, 123
RGB Percent	100%, 61%, 48%
CMY	0.0000, 0.3882, 0.5176
CMYK	0.00, 0.39, 0.52, 0.00
HSL	15°, 100%, 74%
HSV	15°, 52%, 100%
XYZ	56.7036, 46.4670, 24.7193
YIQ	181.8390, 69.5970, 10.7250

Conversions

Conversions Part 2

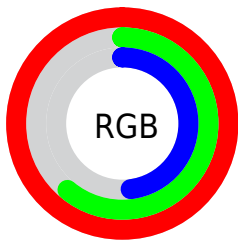
Format	Color
R _Y B	255, 167, 123
Decimal	16751739
CIE Lab	73.85, 33.64, 32.90
CIE LCh	74, 47.055, 44.363
Yxy	46.4670, 0.4434, 0.3633
Android (android.graphics.Color)	4294941819 (0xFFFF9C7B)
YUV	181.8390, -29.0076, 64.1622
Hunter-Lab	68.1667, 29.1912, 26.2164

Details

The XYZ color **56.7036, 46.4670, 24.7193** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.3381, 63.6703, 104.1384**, and the grayscale version is **44.5033, 46.8209, 50.9880**.

A 20% lighter version of the original color is **72.3707, 70.9831, 50.9611**, and **28.6920, 21.9971, 9.2122** is the 20% darker color. If you saturate the color by 10%, you get **52.3501, 39.9906, 16.3920**, and if you desaturate by 10%, it is **61.9804, 54.1249, 35.4059**.

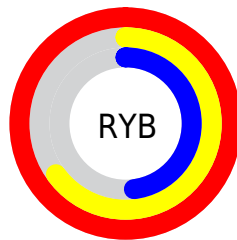
Distribution



Red (100%)

Green (61%)

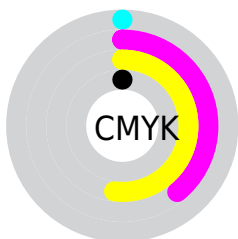
Blue (48%)



Red (100%)

Yellow (65%)

Blue (48%)

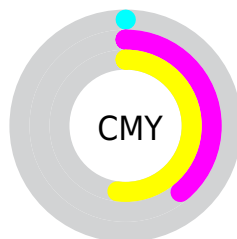


Cyan (0%)

Magenta (39%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7036, 46.4670, 24.7193 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 56.7036, 46.4670, 24.7193 by changing the saturation by 10% instead.


 56.7036, 46.4670,
24.7193

 56.7036, 46.4670,
24.7193


402.3699,
372.6830, 289.8399

 41.0065, 32.6145,
15.6509


 99.1664, 84.9175,
52.1599

 28.5119, 21.8313,
9.1258


 126.6629,
110.2842, 71.3693

 18.8543, 13.7330,
4.7254


 158.8232,
140.2579, 94.7961

 11.6684, 7.9352,
2.0312

196.0127,
175.2228, 122.8588

 6.5889, 4.0535,
0.5743

238.5968,
215.5633, 155.9760

 3.2504, 1.7035,
0.0000

286.9408,

 1.2875, 0.4259,

261.6640, 194.5662

0.0000

341.4100,
313.9090, 239.0480

■ 0.1738, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7036, 46.4670,
24.7193

■ 56.7036, 46.4670,
24.7193

■ 52.3501, 39.9906,
16.3920

■ 61.9804, 54.1249,
35.4059

■ 48.8597, 34.6281,
10.2399

■ 68.2285, 63.0130,
48.6118

■ 46.1703, 30.3160,
6.0550

■ 75.4965, 73.1859,
64.4857

■ 44.2083, 26.9802,
3.5872

■ 83.8288, 84.6926,
83.1641

■ 43.0598, 24.8999,
2.5367

■ 93.2669, 97.5796,
104.7741

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.



61.6689, 46.4670, 39.9973



56.7036, 46.4670, 24.7193



48.6484, 46.4670, 17.9164

Triad

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



56.7036, 46.4670, 24.7193



30.4057, 46.4670, 39.1572



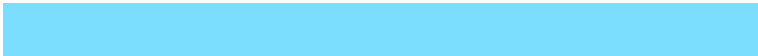
48.2807, 46.4670, 109.6919

Complementary

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



56.7036, 46.4670, 24.7193



52.3381, 63.6703, 104.1384

Split Complementary

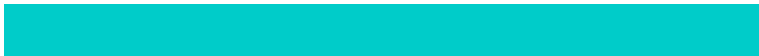
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.9668, 46.4670, 109.2483



56.7036, 46.4670, 24.7193



30.3335, 46.4670, 62.9157

Square

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



56.7036, 46.4670, 24.7193



33.8383, 46.4670, 24.2726



33.6269, 46.4670, 90.1640



56.4053, 46.4670, 91.2330

Rectangle

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



56.7036, 46.4670, 24.7193



42.9519, 46.4670, 17.1407



33.6269, 46.4670, 90.1640



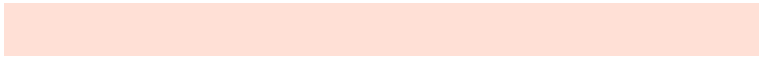
45.4017, 46.4670, 111.8968

Sweetspot

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



56.7047, 46.4694, 24.7202



80.1670, 79.6529, 74.9016



61.5078, 40.7001, 73.7213



16.7932, 16.5437, 15.2126



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.



56.7047, 46.4694, 24.7202



52.2582, 39.8516, 16.2226



70.9363, 74.9326, 29.4640



18.3783, 18.7249, 18.7899



22.5985, 13.2081, 1.3584



2.2825, 1.4504, 0.1597

Inverse Universe

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



52.3381, 63.6703, 104.1384



47.3888, 58.5952, 103.4201



38.1071, 35.2083, 99.3948



18.1476, 19.6669, 23.0896



19.3184, 23.5464, 52.9613



1.9675, 2.4657, 5.1855

Previews

White Background



This preview shows how the XYZ color 56.7036, 46.4670, 24.7193 looks on a white background.

Color Contrast Check

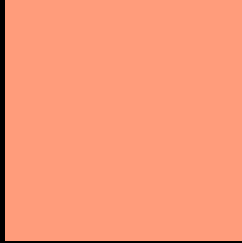
Large Text (above 18pt) WCAG AA × Fail

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 56.7036, 46.4670, 24.7193 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 56.7036, 46.4670, 24.7193

Background



This preview shows how black text looks on a background with the XYZ color 56.7036, 46.4670, 24.7193.



This preview shows how white text looks on a background with the XYZ color 56.7036, 46.4670,

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

56.7036, 46.4670, 24.7193

Protanopia

43.5367, 46.7792, 29.2889

Deuteranopia

47.7396, 46.6882, 24.2649



Tritanopia

59.0791, 46.3608, 40.4851

Trichromacy



Original Color

56.7036, 46.4670, 24.7193



Protanomaly

47.5881, 46.2506, 27.5382



Deuteranomaly

50.5486, 46.1737, 24.3374



Tritanomaly

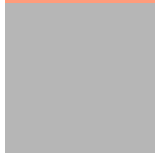
57.9765, 46.1806, 33.8750

Monochromacy



Original Color

56.7036, 46.4670, 24.7193



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

47.6711, 46.0157, 40.0876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7036, 46.4670, 24.7193 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, 156, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 123)  
}
```

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, 156, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 123) }
```

Border

The CSS property to change the border of an element to XYZ 56.7036, 46.4670, 24.7193 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, 156, 123) }
```


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

```
.border{ border-color:rgb(255, 156, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7036, 46.4670, 24.7193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 123) }
```

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

```
.background{ background-color: rgb(255,  
156, 123) }
```

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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