

# Converting Colors

XYZ(62.5074, 51.5123, 46.8845)

Have a look what the booklet for  
XYZ(62.5074, 51.5123, 46.8845)  
contains.

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# Color

**XYZ(62.5162, 51.5884,  
46.7070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA6AE
RGB	255, 166, 174
RGB Percent	100%, 65%, 68%
CMY	0.0000, 0.3490, 0.3176
CMYK	0.00, 0.35, 0.32, 0.00
HSL	355°, 100%, 83%
HSV	355°, 35%, 100%
XYZ	62.5162, 51.5884, 46.7070
YIQ	193.5230, 50.4760, 21.3560

# Conversions

## Conversions Part 2

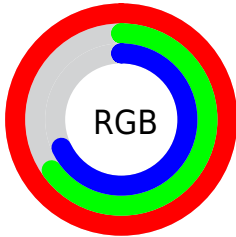
Format	Color
R <sub>Y</sub> B	255, 166, 174
Decimal	16754350
CIE Lab	77.03, 33.82, 9.57
CIE LCh	77, 35.150, 15.795
Yxy	51.5884, 0.3888, 0.3208
Android (android.graphics.Color)	4294944430 (0xFFFFA6AE)
YUV	193.5230, -9.6248, 53.9153
Hunter-Lab	71.8251, 29.6717, 11.7220

# Details

The XYZ color **62.5162, 51.5884, 46.7070** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.2766, 86.3434, 101.0674**, and the grayscale version is **51.0318, 53.6894, 58.4677**.

A 20% lighter version of the original color is **81.5041, 79.1597, 85.1124**, and **32.1829, 24.9512, 21.5322** is the 20% darker color. If you saturate the color by 10%, you get **56.2613, 42.3922, 34.4069**, and if you desaturate by 10%, it is **70.0836, 62.7838, 61.3745**.

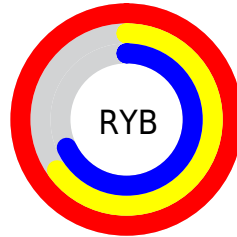
# Distribution



Red (100%)

Green (65%)

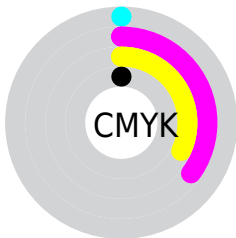
Blue (68%)



Red (100%)

Yellow (65%)

Blue (68%)

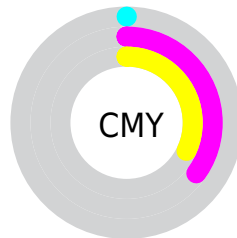


Cyan (0%)

Magenta (35%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5162, 51.5884, 46.7070 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 62.5162, 51.5884, 46.7070 by changing the saturation by 10% instead.





 62.5162, 51.5884,  
46.7070


 62.5162, 51.5884,  
46.7070


423.4992,  
392.8455, 390.0036

 45.7071, 36.6771,  
32.4514

 107.5570, 92.5239,  
86.6215

 32.2184, 24.9576,  
21.4388


 136.5194,  
119.3170, 113.1175

 21.6847, 16.0455,  
13.2508


170.2636,  
150.8393, 144.5307

 13.7407, 9.5563,  
7.4687

209.1549,  
187.4755, 181.2796

 8.0211, 5.1058,  
3.6741

253.5588,  
229.6098, 223.7828

 4.1603, 2.3095,  
1.4483

303.8406,

 1.7932, 0.7787,

277.6266, 272.4589

0.1790

360.3656,  
331.9104, 327.7263

■ 0.5136, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.5162, 51.5884,  
46.7070

■ 62.5162, 51.5884,  
46.7070

■ 56.2613, 42.3922,  
34.4069

■ 70.0836, 62.7838,  
61.3745

■ 51.2403, 35.0705,  
24.3470

■ 79.0285, 76.0786,  
78.5213

■ 47.3724, 29.4964,  
16.3930

■ 89.4159, 91.5753,  
98.2559

■ 44.5651, 25.5241,  
10.3947

95.0500, 100.0000,  
108.9000

■ 42.7120, 22.9839,  
6.1822

■ 41.6836, 21.6679,  
3.5557

■ 41.3937, 21.3215,  
2.7395

# Harmonies

## Analogous

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



62.6252, 51.5884, 65.7285



62.5162, 51.5884, 46.7070



58.5838, 51.5884, 33.6402

# Triad

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



62.5162, 51.5884, 46.7070



40.3588, 51.5884, 34.1578



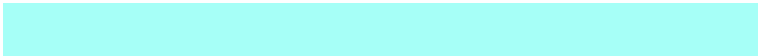
45.9368, 51.5884, 100.1126

# Complementary

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



62.5162, 51.5884, 46.7070



68.2766, 86.3434, 101.0674

# 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.



40.5815, 51.5884, 87.0186



62.5162, 51.5884, 46.7070



37.5656, 51.5884, 47.5880

# Square

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



62.5162, 51.5884, 46.7070



45.6066, 51.5884, 27.6040



37.6432, 51.5884, 66.8341



52.6274, 51.5884, 99.7231



# Rectangle

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



62.5162, 51.5884, 46.7070



54.5120, 51.5884, 28.7734



37.6432, 51.5884, 66.8341



43.9344, 51.5884, 97.0322

# Sweetspot

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



62.5175, 51.5908, 46.7080



83.9336, 83.3900, 87.8603



69.7288, 54.1058, 101.3761



17.6564, 17.3883, 18.2186



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.



62.5175, 51.5908, 46.7080



57.9446, 44.8606, 37.7371



69.1512, 66.0688, 45.1874



18.0756, 18.0136, 19.0154



21.6514, 11.1498, 1.5487



2.1295, 1.0942, 0.2634



# Inverse Universe

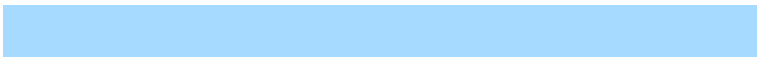
The Inverse Universe completely reimagines the original color for something new.



62.5175, 51.5908, 46.7080



57.9446, 44.8606, 37.7371



59.2139, 66.2011, 104.2649



18.0756, 18.0136, 19.0154



21.6514, 11.1498, 1.5487

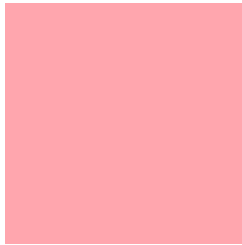


2.1295, 1.0942, 0.2634



# Previews

## White Background



This preview shows how the XYZ color 62.5162, 51.5884, 46.7070 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 62.5162, 51.5884, 46.7070 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 62.5162, 51.5884, 46.7070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.5162, 51.5884, 46.7070.



This preview shows how white text looks on a background with the XYZ color 62.5162, 51.5884,

46.7070.

# 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

62.5162, 51.5884, 46.7070

### Protanopia

49.8888, 52.0169, 54.4245

### Deuteranopia

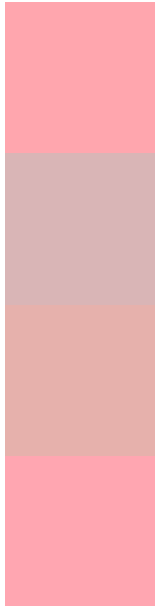
52.8101, 51.8202, 45.7470



## Tritanopia

62.9121, 51.7468, 48.7918

# Trichromacy



## Original Color

62.5162, 51.5884, 46.7070

## Protanomaly

53.5826, 51.1769, 51.3100

## Deuteranomaly

55.8017, 51.2458, 45.9801

## Tritanomaly

62.8120, 51.7068, 48.2648

# Monochromacy



## Original Color

62.5162, 51.5884, 46.7070

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

54.4290, 52.4678, 54.2723

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5162, 51.5884, 46.7070 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, 166, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 174)  
}
```

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, 166, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5162, 51.5884, 46.7070 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, 166, 174) }
```



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

```
.border{ border-color:rgb(255, 166, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5162, 51.5884, 46.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 174) }
```

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

```
.background{ background-color: rgb(255,  
166, 174) }
```

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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