

# Converting Colors

XYZ(55.7879, 45.9532, 34.3652)

Have a look what the booklet for  
XYZ(55.7879, 45.9532, 34.3652)  
contains.

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# Color

**XYZ(55.8396, 46.0580,  
34.3808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F79D95
RGB	247, 157, 149
RGB Percent	97%, 62%, 58%
CMY	0.0314, 0.3843, 0.4157
CMYK	0.00, 0.36, 0.40, 0.03
HSL	5°, 86%, 78%
HSV	5°, 40%, 97%
XYZ	55.8396, 46.0580, 34.3808
YIQ	182.9980, 56.2080, 16.5920

# Conversions

## Conversions Part 2

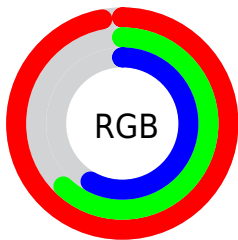
Format	Color
R <sub>Y</sub> B	247, 158, 149
Decimal	16227733
CIE Lab	73.58, 32.63, 18.26
CIE LCh	74, 37.394, 29.234
Yxy	46.0580, 0.4097, 0.3380
Android (android.graphics.Color)	4294417813 (0xFFFF79D95)
YUV	182.9980, -16.7610, 56.1298
Hunter-Lab	67.8660, 28.1027, 17.4700

# Details

The XYZ color **55.8396, 46.0580, 34.3808** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **60.0482, 74.8351, 99.2755**, and the grayscale version is **45.0772, 47.4247, 51.6455**.

A 20% lighter version of the original color is **75.5630, 72.6588, 66.5419**, and **27.9952, 21.6764, 14.2637** is the 20% darker color. If you saturate the color by 10%, you get **50.5850, 38.3770, 23.9102**, and if you desaturate by 10%, it is **62.2272, 55.3355, 47.2930**.

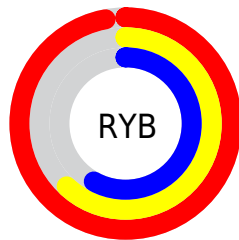
# Distribution



Red (97%)

Green (62%)

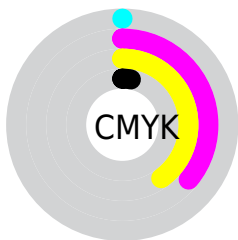
Blue (58%)



Red (97%)

Yellow (62%)

Blue (58%)

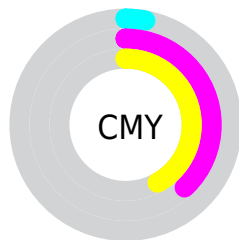


Cyan (0%)

Magenta (36%)

Yellow (40%)

Black (3%)



Cyan (3%)

Magenta (38%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8396, 46.0580, 34.3808 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 55.8396, 46.0580, 34.3808 by changing the saturation by 10% instead.





 55.8396, 46.0580,  
34.3808


 55.8396, 46.0580,  
34.3808


399.1716,  
371.0418, 336.6475

 40.3108, 32.2916,  
22.9066


 97.9112, 84.3058,  
67.6661

 27.9663, 21.5843,  
14.3199


 125.1847,  
109.5560, 90.3142

 18.4406, 13.5518,  
8.2022


157.1039,  
139.4029, 117.5240

 11.3683, 7.8096,  
4.1350


194.0340,  
174.2308, 149.7140

 6.3843, 3.9734,  
1.6997

236.3405,  
214.4243, 187.3029

 3.1230, 1.6587,  
0.3605

284.3887,

 1.2191, 0.3967,

260.3677, 230.7091

0.0000

338.5439,  
312.4454, 280.3511

■ 0.1214, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.8396, 46.0580,  
34.3808

■ 55.8396, 46.0580,  
34.3808

■ 50.5850, 38.3770,  
23.9102

■ 62.2272, 55.3355,  
47.2930

■ 46.3935, 32.1960,  
15.7249

■ 69.8049, 66.2854,  
62.7843

■ 43.1934, 27.4188,  
9.6547

■ 78.6304, 78.9867,  
80.9854

■ 40.9023, 23.9351,  
5.5046

■ 88.7565, 93.5117,  
102.0170

■ 39.4244, 21.6179,  
3.0431

■ 92.1678, 98.5142,  
108.7651

■ 38.6288, 20.3090,  
1.9071

■ 38.6111, 20.2807,  
1.8795

# Harmonies

## Analogous

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



57.7653, 46.0580, 50.6378



55.8396, 46.0580, 34.3808



50.6103, 46.0580, 24.9106

# Triad

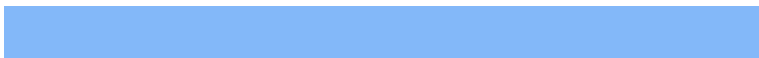
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.8396, 46.0580, 34.3808



33.7324, 46.0580, 33.7292



43.6069, 46.0580, 96.0993

# Complementary

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



55.8396, 46.0580, 34.3808



60.0482, 74.8351, 99.2755

# 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.



37.5878, 46.0580, 88.4104



55.8396, 46.0580, 34.3808



32.2512, 46.0580, 49.6640

# Square

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



55.8396, 46.0580, 34.3808



37.8545, 46.0580, 24.6064



33.5897, 46.0580, 70.1246



50.2866, 46.0580, 89.1229



# Rectangle

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



55.8396, 46.0580, 34.3808



46.1958, 46.0580, 22.2020



33.5897, 46.0580, 70.1246



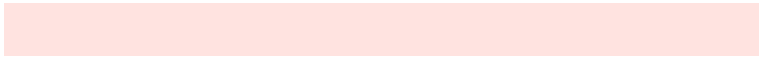
41.4437, 46.0580, 95.1186

# Sweetspot

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



55.8408, 46.0603, 34.3817



82.1905, 81.5468, 82.2140



64.9031, 47.5885, 88.5669



17.3187, 17.0612, 17.0325



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.



55.8408, 46.0603, 34.3817



55.2083, 42.4670, 27.3328



65.5027, 65.3841, 37.6023



16.6079, 16.6999, 17.1456



20.4599, 10.8054, 1.0073



1.8350, 1.0231, 0.1008



# Inverse Universe

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



60.0482, 74.8351, 99.2755



60.3127, 77.4798, 106.3840



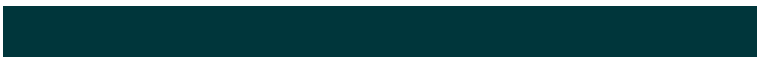
47.9161, 50.5709, 95.2315



16.8741, 18.5126, 21.2265



23.4312, 32.6562, 51.6064

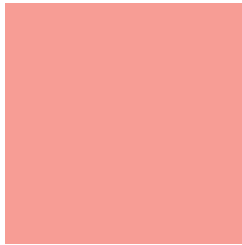


2.0930, 2.9374, 4.5469



# Previews

## White Background



This preview shows how the XYZ color 55.8396, 46.0580, 34.3808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

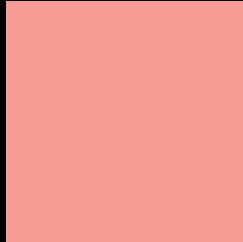
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8396, 46.0580, 34.3808 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 55.8396, 46.0580, 34.3808**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8396, 46.0580, 34.3808.



This preview shows how white text looks on a background with the XYZ color 55.8396, 46.0580,



# 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

55.8396, 46.0580, 34.3808

### Protanopia

43.9432, 46.4398, 40.3659

### Deuteranopia

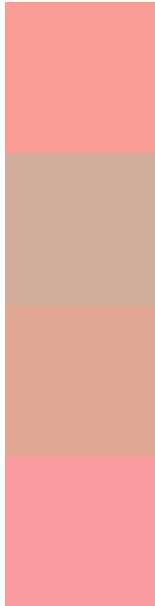
47.1883, 46.1963, 33.6238



## Tritanopia

57.5055, 46.0041, 41.9252

# Trichromacy



## Original Color

55.8396, 46.0580, 34.3808

## Protanomaly

47.4167, 45.6410, 38.2088

## Deuteranomaly

50.0096, 45.9591, 33.8390

## Tritanomaly

56.7779, 45.9372, 39.1320

# Monochromacy



## Original Color

55.8396, 46.0580, 34.3808

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

47.9403, 46.3342, 44.9447

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8396, 46.0580, 34.3808 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(247, 157, 149)` looks like.

```
.text, #text, p{  
    color:rgb(247, 157, 149)  
}
```

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(247, 157, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 157, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8396, 46.0580, 34.3808 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(247, 157, 149) }
```



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

```
.border{ border-color:rgb(247, 157, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 157, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 157, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 157, 149);  
box-shadow:4px 4px 4px 4px rgb(247, 157,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8396, 46.0580, 34.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 157, 149) }
```

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

```
.background{ background-color: rgb(247,  
157, 149) }
```

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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