

# Converting Colors

XYZ(63.9240, 47.6403, 36.1973)

Have a look what the booklet for  
XYZ(63.9240, 47.6403, 36.1973)  
contains.

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# Color

**XYZ(57.3516, 44.1509,  
36.0711)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF929A
RGB	255, 146, 154
RGB Percent	100%, 57%, 60%
CMY	0.0000, 0.4274, 0.3961
CMYK	0.00, 0.43, 0.40, 0.00
HSL	356°, 100%, 79%
HSV	356°, 43%, 100%
XYZ	57.3516, 44.1509, 36.0711
YIQ	179.5030, 62.3960, 25.5960

# Conversions

## Conversions Part 2

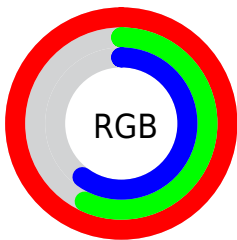
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 146, 154
Decimal	16749210
CIE <sub>Lab</sub>	72.33, 41.78, 13.90
CIE <sub>LCh</sub>	72, 44.035, 18.406
Yxy	44.1509, 0.4169, 0.3209
Android (android.graphics.Color)	4294939290 (0xFFFF929A)
YUV	179.5030, -12.5730, 66.2109
Hunter-Lab	66.4461, 37.7878, 14.3260

# Details

The XYZ color **57.3516, 44.1509, 36.0711** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **64.4047, 84.3473, 100.8867**, and the grayscale version is **43.1592, 45.4068, 49.4480**.

A 20% lighter version of the original color is **73.5118, 67.5874, 68.8457**, and **28.8682, 20.4101, 15.2500** is the 20% darker color. If you saturate the color by 10%, you get **52.0718, 36.4370, 25.5386**, and if you desaturate by 10%, it is **63.8977, 53.7773, 48.9377**.

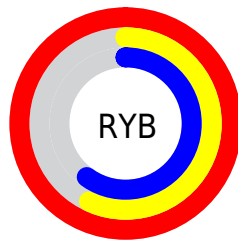
# Distribution



Red (100%)

Green (57%)

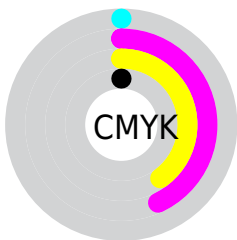
Blue (60%)



Red (100%)

Yellow (57%)

Blue (60%)

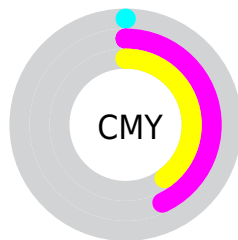


Cyan (0%)

Magenta (43%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (43%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3516, 44.1509, 36.0711 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 57.3516, 44.1509, 36.0711 by changing the saturation by 10% instead.





 57.3516, 44.1509,  
36.0711

 57.3516, 44.1509,  
36.0711


404.7584,  
363.3237, 344.3180

 41.5288, 30.7892,  
24.1990


 100.1064, 81.4448,  
70.3121

 28.9220, 20.4384,  
15.2677


 127.7692,  
106.1457, 93.5180

 19.1658, 12.7141,  
8.8588


160.1094,  
135.3951, 121.3390

 11.8949, 7.2320,  
4.5536

197.4923,  
169.5774, 154.1935

 6.7438, 3.6076,  
1.9337

240.2833,  
209.0771, 192.5001

 3.3473, 1.4566,  
0.5141

288.8477,

 1.3400, 0.2579,

254.2784, 236.6774

0.0000

343.5510,  
305.5658, 287.1438

■ 0.2128, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3516, 44.1509,  
36.0711

■ 57.3516, 44.1509,  
36.0711

■ 52.0718, 36.4370,  
25.5386

■ 63.8977, 53.7773,  
48.9377

■ 47.9731, 30.5018,  
17.1977

■ 71.7811, 65.4251,  
64.2642

■ 44.9650, 26.2052,  
10.8945

■ 81.0718, 79.2026,  
82.1705

■ 42.9429, 23.3827,  
6.4535

■ 91.8336, 95.2088,  
102.7676

■ 41.7807, 21.8357, 95.0499, 100.0000,  
3.6699 108.9000

■ 41.3549, 21.3060,  
2.5357

# Harmonies

## Analogous

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



57.9049, 44.1509, 56.9498



57.3516, 44.1509, 36.0711



52.3913, 44.1509, 23.1438

# Triad

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



57.3516, 44.1509, 36.0711



31.9893, 44.1509, 25.3638



39.1054, 44.1509, 101.5863

# Complementary

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



57.3516, 44.1509, 36.0711



64.4047, 84.3473, 100.8867

# 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.



33.0212, 44.1509, 86.4901



57.3516, 44.1509, 36.0711



29.2555, 44.1509, 40.1699

# Square

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



57.3516, 44.1509, 36.0711



37.5323, 44.1509, 18.3682



29.6090, 44.1509, 62.4789



46.7317, 44.1509, 99.4888



# Rectangle

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



57.3516, 44.1509, 36.0711



47.5541, 44.1509, 18.7891



29.6090, 44.1509, 62.4789



36.8303, 44.1509, 98.2061

# Sweetspot

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



57.3528, 44.1531, 36.0719



80.8142, 78.8200, 81.6756



66.3069, 47.3578, 100.2538



16.8338, 16.1822, 16.5905



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.



57.3528, 44.1531, 36.0719



52.9045, 37.6495, 27.2119



65.1515, 60.7809, 35.4952



18.0634, 18.0087, 18.9511



21.6282, 11.1406, 1.4268



2.1237, 1.0919, 0.2331



# Inverse Universe

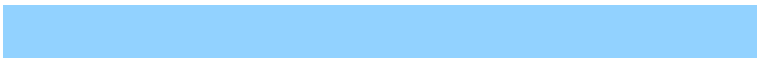
The Inverse Universe completely reimagines the original color for something new.



57.3528, 44.1531, 36.0719



52.9045, 37.6495, 27.2119



52.8499, 59.2208, 103.2528



18.0634, 18.0087, 18.9511



21.6282, 11.1406, 1.4268

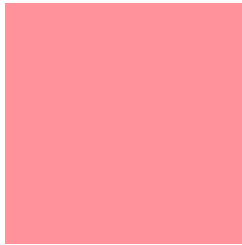


2.1237, 1.0919, 0.2331



# Previews

## White Background



This preview shows how the XYZ color 57.3516, 44.1509, 36.0711 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

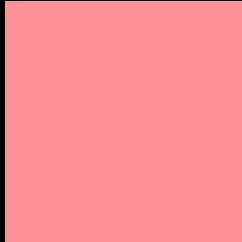
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.3516, 44.1509, 36.0711 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 57.3516, 44.1509, 36.0711**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.3516, 44.1509, 36.0711.



This preview shows how white text looks on a background with the XYZ color 57.3516, 44.1509,



# 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

57.3516, 44.1509, 36.0711

### Protanopia

42.5063, 44.4138, 44.3626

### Deuteranopia

45.2448, 44.3070, 35.0216



## Tritanopia

57.5196, 44.2181, 36.9558

# Trichromacy



## Original Color

57.3516, 44.1509, 36.0711

## Protanomaly

46.6316, 43.5081, 41.0621

## Deuteranomaly

48.9377, 43.7630, 35.1460

## Tritanomaly

57.4353, 44.1843, 36.5116

# Monochromacy



## Original Color

57.3516, 44.1509, 36.0711

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

47.0854, 44.2109, 44.5800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3516, 44.1509, 36.0711 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, 146, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 154)  
}
```

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, 146, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3516, 44.1509, 36.0711 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, 146, 154) }
```



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

```
.border{ border-color:rgb(255, 146, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3516, 44.1509, 36.0711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 154) }
```

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

```
.background{ background-color: rgb(255,  
146, 154) }
```

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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