

# Converting Colors

XYZ(58.5491, 46.4096, 36.8900)

Have a look what the booklet for  
XYZ(58.5491, 46.4096, 36.8900)  
contains.

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# Color

**XYZ(58.5476, 46.4090,  
36.8824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF999B
RGB	255, 153, 155
RGB Percent	100%, 60%, 61%
CMY	0.0000, 0.4000, 0.3922
CMYK	0.00, 0.40, 0.39, 0.00
HSL	359°, 100%, 80%
HSV	359°, 40%, 100%
XYZ	58.5476, 46.4090, 36.8824
YIQ	183.7260, 60.1500, 22.2460

# Conversions

## Conversions Part 2

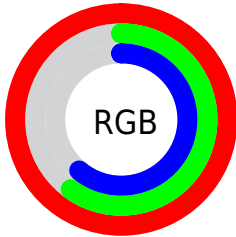
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 153, 155
Decimal	16751003
CIE <sub>Lab</sub>	73.81, 38.32, 15.43
CIE <sub>LCh</sub>	74, 41.306, 21.932
Yxy	46.4090, 0.4128, 0.3272
Android (android.graphics.Color)	4294941083 (0xFFFF999B)
YUV	183.7260, -14.1619, 62.5073
Hunter-Lab	68.1242, 34.1901, 15.5873

# Details

The XYZ color **58.5476, 46.4090, 36.8824** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **66.6286, 85.3851, 105.9025**, and the grayscale version is **45.4624, 47.8299, 52.0868**.

A 20% lighter version of the original color is **75.5491, 71.4644, 70.1337**, and **29.5615, 21.7159, 15.7302** is the 20% darker color. If you saturate the color by 10%, you get **52.9242, 38.1817, 25.6994**, and if you desaturate by 10%, it is **65.4999, 56.5983, 50.6537**.

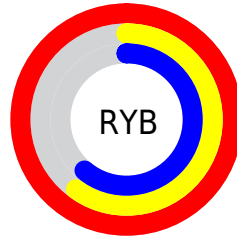
# Distribution



Red (100%)

Green (60%)

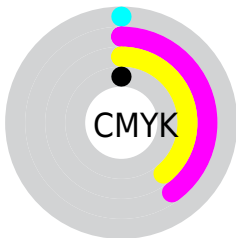
Blue (61%)



Red (100%)

Yellow (60%)

Blue (61%)

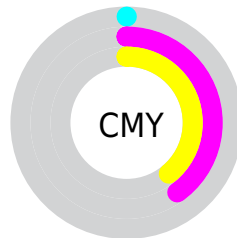


Cyan (0%)

Magenta (40%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5476, 46.4090, 36.8824 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 58.5476, 46.4090, 36.8824 by changing the saturation by 10% instead.





 58.5476, 46.4090,  
36.8824


 58.5476, 46.4090,  
36.8824


409.1444,  
372.4505, 347.9544

 42.4940, 32.5687,  
24.8214


 101.8383, 84.8308,  
71.5762

 29.6811, 21.7962,  
15.7262


 129.8060,  
110.1810, 95.0460

 19.7435, 13.7073,  
9.1784


162.4759,  
140.1367, 123.1559

 12.3159, 7.9173,  
4.7593

200.2133,  
175.0822, 156.3243

 7.0330, 4.0421,  
2.0505

243.3834,  
215.4020, 194.9698

 3.5292, 1.6971,  
0.5861

292.3518,

 1.4394, 0.4218,

261.4804, 239.5110

0.0000

347.4836,  
313.7017, 290.3664

■ 0.2840, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.5476, 46.4090,  
36.8824

■ 58.5476, 46.4090,  
36.8824

■ 52.9242, 38.1817,  
25.6994

■ 65.4999, 56.5983,  
50.6537

■ 48.5417, 31.7840,  
16.9407

■ 73.8544, 68.8570,  
67.1583

■ 45.3073, 27.0781,  
10.4275

■ 83.6834, 83.2930,  
86.5334

■ 43.1136, 23.9040,  
5.9555

95.0499, 100.0000,  
108.9000

■ 41.8328, 22.0708,  
3.2832

■ 41.2674, 21.2711,  
2.0741

■ 41.2673, 21.2709,  
2.0738

# Harmonies

## Analogous

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



59.6195, 46.4090, 56.4221



58.5476, 46.4090, 36.8824



53.4020, 46.4090, 24.9131

# Triad

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



58.5476, 46.4090, 36.8824



33.9017, 46.4090, 29.4737



42.1582, 46.4090, 102.0753

# Complementary

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



58.5476, 46.4090, 36.8824



66.6286, 85.3851, 105.9025

# 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.



35.9643, 46.4090, 89.5218



58.5476, 46.4090, 36.8824



31.5551, 46.4090, 45.0659

# Square

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



58.5476, 46.4090, 36.8824



39.0439, 46.4090, 21.5363



32.2660, 46.4090, 67.1904



49.5972, 46.4090, 98.0911



# Rectangle

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



58.5476, 46.4090, 36.8824



48.6361, 46.4090, 21.0125



32.2660, 46.4090, 67.1904



39.8745, 46.4090, 99.5495

# Sweetspot

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



58.5488, 46.4113, 36.8833



81.5937, 80.2227, 82.4170



69.4425, 50.6256, 100.7193



17.1797, 16.7528, 17.0797



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.



58.5488, 46.4113, 36.8833



53.9456, 39.6748, 27.7339



67.7846, 65.1488, 39.1423



18.0238, 17.9928, 18.7425



21.5693, 11.1170, 1.1164



2.1050, 1.0844, 0.1342



# Inverse Universe

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



58.5488, 46.4113, 36.8833



53.9456, 39.6748, 27.7339



53.5988, 58.8142, 103.1349



18.0238, 17.9928, 18.7425



21.5693, 11.1170, 1.1164

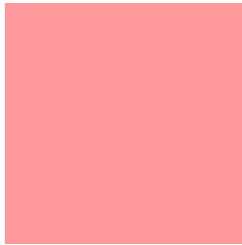


2.1050, 1.0844, 0.1342



# Previews

## White Background



This preview shows how the XYZ color 58.5476, 46.4090, 36.8824 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

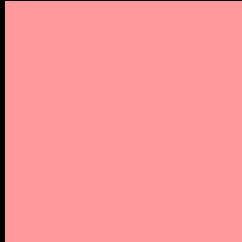
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.5476, 46.4090, 36.8824 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 58.5476, 46.4090, 36.8824**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5476, 46.4090, 36.8824.



This preview shows how white text looks on a background with the XYZ color 58.5476, 46.4090,



# 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

58.5476, 46.4090, 36.8824

### Protanopia

44.4243, 46.6037, 44.1901

### Deuteranopia

47.4942, 46.5959, 35.7689



## Tritanopia

59.0791, 46.3608, 40.4851

# Trichromacy



## Original Color

58.5476, 46.4090, 36.8824



## Protanomaly

48.4151, 45.8032, 41.4111



## Deuteranomaly

50.8502, 46.0732, 35.9187



## Tritanomaly

58.8134, 46.2545, 39.0859

# Monochromacy



## Original Color

58.5476, 46.4090, 36.8824



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

49.0647, 46.6059, 45.9450

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5476, 46.4090, 36.8824 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, 153, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 155)  
}
```

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, 153, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5476, 46.4090, 36.8824 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, 153, 155) }
```



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

```
.border{ border-color:rgb(255, 153, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5476, 46.4090, 36.8824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 155) }
```

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

```
.background{ background-color: rgb(255,  
153, 155) }
```

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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