

# Converting Colors

XYZ(55.6327, 38.9562, 36.9849)

Have a look what the booklet for  
XYZ(55.6327, 38.9562, 36.9849)  
contains.

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# Color

**XYZ(54.8724, 38.6503,  
36.9159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7E9E
RGB	255, 126, 158
RGB Percent	100%, 49%, 62%
CMY	0.0000, 0.5059, 0.3804
CMYK	0.00, 0.51, 0.38, 0.00
HSL	345°, 100%, 75%
HSV	345°, 51%, 100%
XYZ	54.8724, 38.6503, 36.9159
YIQ	168.2190, 66.6120, 37.3000

# Conversions

## Conversions Part 2

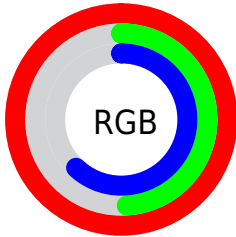
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 126, 158</a>
Decimal	<a href="#">16744094</a>
CIELab	<a href="#">68.50, 52.12, 6.23</a>
CIElCh	<a href="#">68, 52.492, 6.811</a>
Yxy	<a href="#">38.6503, 0.4207, 0.2963</a>
Android (android.graphics.Color)	<a href="#">4294934174</a> ( <a href="#">0xFFFF7E9E</a> )
YUV	<a href="#">168.2190, -5.0380, 76.1069</a>
Hunter-Lab	<a href="#">62.1694, 48.7526, 8.3124</a>

# Details

The XYZ color **54.8724, 38.6503, 36.9159** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **57.6855, 81.2843, 82.4658**, and the grayscale version is **37.3292, 39.2733, 42.7686**.

A 20% lighter version of the original color is **69.8516, 59.4694, 70.0845**, and **27.4128, 17.1701, 15.7793** is the 20% darker color. If you saturate the color by 10%, you get **50.4935, 32.3310, 27.9385**, and if you desaturate by 10%, it is **60.3419, 46.7383, 47.5281**.

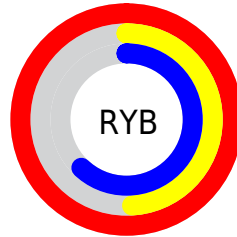
# Distribution



Red (100%)

Green (49%)

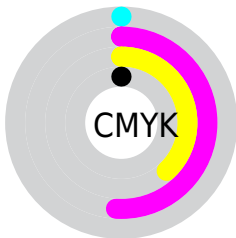
Blue (62%)



Red (100%)

Yellow (49%)

Blue (62%)

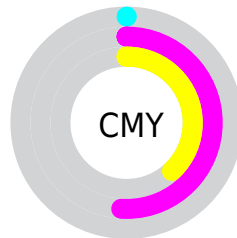


Cyan (0%)

Magenta (51%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (51%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8724, 38.6503, 36.9159 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 54.8724, 38.6503, 36.9159 by changing the saturation by 10% instead.





 54.8724, 38.6503,  
36.9159


 54.8724, 38.6503,  
36.9159


395.5723,  
340.4014, 348.1040


 39.5330, 26.4878,  
24.8471


 96.5034, 73.1038,  
71.6283

 27.3572, 17.1889,  
15.7452


 123.5257, 96.1636,  
95.1090

 17.9797, 10.3693,  
9.1916


 155.1730,  
123.6245, 123.2307

 11.0350, 5.6445,  
4.7679

191.8107,  
155.8711, 156.4120

 6.1578, 2.6301,  
2.0554

233.8041,  
193.2877, 195.0715

 2.9829, 0.9418,  
0.5890

281.5187,

 1.1447, 0.0000,

236.2587, 239.6276

0.0000

335.3196,  
285.1685, 290.4989

■ 0.0620, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.8724, 38.6503,  
36.9159

■ 54.8724, 38.6503,  
36.9159

■ 50.4935, 32.3310,  
27.9385

■ 60.3419, 46.7383,  
47.5281

■ 47.1255, 27.6408,  
20.5096

■ 66.9675, 56.7088,  
59.8509

■ 44.6830, 24.4286,  
14.5376

■ 74.8134, 68.6731,  
73.9577

■ 43.0632, 22.5122,  
9.9192

■ 83.9379, 82.7319,  
89.9168

■ 42.1441, 21.6216,  
6.6909

94.3955, 98.9794,  
107.7930

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



53.3563, 38.6503, 62.6575



54.8724, 38.6503, 36.9159



50.9766, 38.6503, 20.2880

# Triad

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



54.8724, 38.6503, 36.9159



28.0169, 38.6503, 15.1595



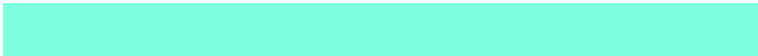
30.8297, 38.6503, 99.2769

# Complementary

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



54.8724, 38.6503, 36.9159



57.6855, 81.2843, 82.4658

# 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.



25.4301, 38.6503, 75.6483



54.8724, 38.6503, 36.9159



23.9843, 38.6503, 26.5925

# Square

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



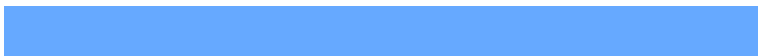
54.8724, 38.6503, 36.9159



34.8842, 38.6503, 11.1476



23.1136, 38.6503, 47.7124



38.6521, 38.6503, 105.3400



# Rectangle

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



54.8724, 38.6503, 36.9159



46.1348, 38.6503, 14.3398



23.1136, 38.6503, 47.7124



28.7091, 38.6503, 92.7860

# Sweetspot

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



54.8734, 38.6523, 36.9166



79.7485, 76.2609, 82.6387



55.8668, 37.7922, 98.9579



16.6606, 15.6933, 16.9721



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.



54.8734, 38.6523, 36.9166



50.3342, 32.1050, 27.6002



57.2769, 47.3076, 25.8537



18.1941, 18.0610, 19.6394



22.0707, 11.3176, 3.7568



2.1903, 1.1185, 0.5833



# Inverse Universe

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



54.8734, 38.6523, 36.9166



50.3342, 32.1050, 27.6002



52.9767, 64.2990, 104.2265



18.1941, 18.0610, 19.6394



22.0707, 11.3176, 3.7568



2.1903, 1.1185, 0.5833



# Previews

## White Background



This preview shows how the XYZ color 54.8724, 38.6503, 36.9159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

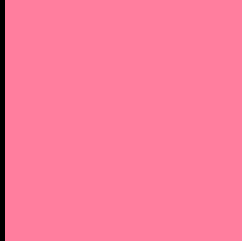
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8724, 38.6503, 36.9159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

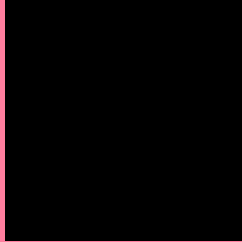
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.8724, 38.6503, 36.9159**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8724, 38.6503, 36.9159.



This preview shows how white text looks on a background with the XYZ color 54.8724, 38.6503,



# 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

54.8724, 38.6503, 36.9159

### Protanopia

37.7026, 38.7156, 49.2018

### Deuteranopia

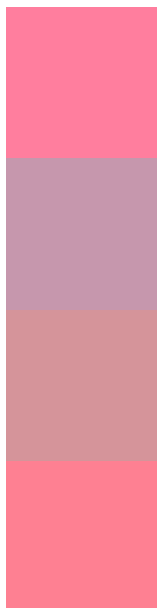
39.3986, 38.5756, 35.0751



## Tritanopia

53.0185, 38.4472, 29.0528

# Trichromacy



## Original Color

54.8724, 38.6503, 36.9159

## Protanomaly

41.8981, 37.1561, 44.4987

## Deuteranomaly

43.8632, 37.6590, 35.5289

## Tritanomaly

53.7805, 38.5845, 31.8071

# Monochromacy



## Original Color

54.8724, 38.6503, 36.9159

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

41.9115, 37.7422, 40.1979

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8724, 38.6503, 36.9159 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, 126, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 158)  
}
```

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, 126, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8724, 38.6503, 36.9159 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, 126, 158) }
```



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

```
.border{ border-color:rgb(255, 126, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8724, 38.6503, 36.9159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 158) }
```

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

```
.background{ background-color: rgb(255,  
126, 158) }
```

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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