

# Converting Colors

XYZ(55.5965, 37.7489, 44.4004)

Have a look what the booklet for  
XYZ(55.5965, 37.7489, 44.4004)  
contains.

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# Color

**XYZ(55.5965, 37.7489,  
44.4004)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF78AE
RGB	255, 120, 174
RGB Percent	100%, 47%, 68%
CMY	0.0000, 0.5294, 0.3176
CMYK	0.00, 0.53, 0.32, 0.00
HSL	336°, 100%, 74%
HSV	336°, 53%, 100%
XYZ	55.5965, 37.7489, 44.4004
YIQ	166.5210, 63.1260, 45.4140

# Conversions

## Conversions Part 2

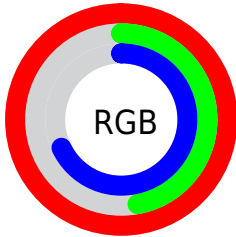
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 120, 174
Decimal	16742574
CIE Lab	67.84, 56.80, -3.77
CIE LCh	68, 56.924, 356.205
Yxy	37.7489, 0.4036, 0.2740
Android (android.graphics.Color)	4294932654 (0xFFFF78AE)
YUV	166.5210, 3.6871, 77.5961
Hunter-Lab	61.4401, 54.0025, 0.1615

# Details

The XYZ color **55.5965, 37.7489, 44.4004** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **54.0501, 79.7310, 67.8033**, and the grayscale version is **36.4602, 38.3589, 41.7729**.

A 20% lighter version of the original color is **70.9082, 57.9678, 81.5804**, and **27.8519, 16.6740, 20.1628** is the 20% darker color. If you saturate the color by 10%, you get **51.5200, 31.8487, 36.0966**, and if you desaturate by 10%, it is **60.6612, 45.3534, 53.8727**.

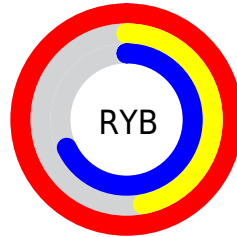
# Distribution



Red (100%)

Green (47%)

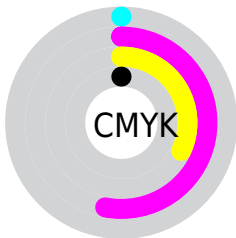
Blue (68%)



Red (100%)

Yellow (47%)

Blue (68%)

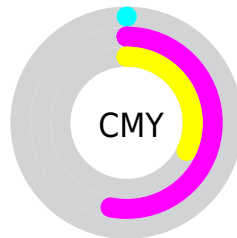


Cyan (0%)

Magenta (53%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5965, 37.7489, 44.4004 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 55.5965, 37.7489, 44.4004 by changing the saturation by 10% instead.





 55.5965, 37.7489,  
44.4004

 55.5965, 37.7489,  
44.4004

398.2688,  
336.5416, 380.4288


 40.1152, 25.7879,  
30.6459


 97.5576, 71.7231,  
83.1288

 27.8130, 16.6650,  
20.0732


 124.7682, 94.5051,  
108.9398

 18.3245, 9.9959,  
12.2636

 156.6192,  
121.6628, 139.6067

 11.2843, 5.3963,  
6.7988

193.4760,  
153.5806, 175.5480

 6.3271, 2.4816,  
3.2600

235.7041,  
190.6431, 217.1824

 3.0875, 0.8674,  
1.2289

283.6686,

 1.2002, 0.0000,

233.2344, 264.9283

0.0024

337.7351,  
281.7391, 319.2042

■ 0.1065, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5965, 37.7489,  
44.4004

■ 55.5965, 37.7489,  
44.4004

■ 51.5200, 31.8487,  
36.0966

■ 60.6612, 45.3534,  
53.8727

■ 48.3568, 27.5124,  
28.9072

■ 66.7758, 54.7772,  
64.5597

■ 46.0252, 24.5860,  
22.7759

■ 74.0000, 66.1313,  
76.5071

■ 44.4257, 22.8806,  
17.6381

■ 82.3881, 79.5164,  
89.7574

■ 43.6379, 22.2192,  
14.5573

■ 91.9906, 95.0261,  
104.3510

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.



51.8953, 37.7489, 74.4608



55.5965, 37.7489, 44.4004



53.3437, 37.7489, 23.1715

# Triad

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



55.5965, 37.7489, 44.4004



28.9005, 37.7489, 11.1146



27.2503, 37.7489, 96.1056

# Complementary

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



55.5965, 37.7489, 44.4004



54.0501, 79.7310, 67.8033

# 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.



22.7150, 37.7489, 66.4912



55.5965, 37.7489, 44.4004



23.5524, 37.7489, 19.5766

# Square

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



55.5965, 37.7489, 44.4004



37.0131, 37.7489, 9.1945



21.4805, 37.7489, 37.9714



34.7687, 37.7489, 111.0900



# Rectangle

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



55.5965, 37.7489, 44.4004



48.9397, 37.7489, 15.0701



21.4805, 37.7489, 37.9714



25.3773, 37.7489, 87.0624

# Sweetspot

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



55.5974, 37.7507, 44.4011



79.6931, 75.1968, 85.5597



48.8555, 33.0726, 98.4164



16.6833, 15.4973, 17.7242



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.



55.5974, 37.7507, 44.4011



51.1421, 31.3166, 35.2813



53.0877, 39.5304, 22.6037



18.3104, 18.1075, 20.2515



22.8706, 11.6375, 7.9689



2.2790, 1.1540, 1.0508



# Inverse Universe

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



55.5974, 37.7507, 44.4011



51.1421, 31.3166, 35.2813



57.4005, 74.4211, 105.9471



18.3104, 18.1075, 20.2515



22.8706, 11.6375, 7.9689



2.2790, 1.1540, 1.0508



# Previews

## White Background



This preview shows how the XYZ color 55.5965, 37.7489, 44.4004 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

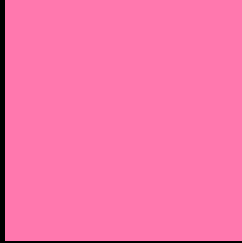
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.5965, 37.7489, 44.4004 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

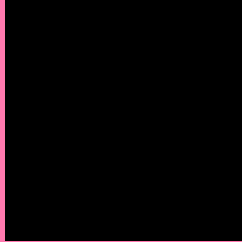
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.5965, 37.7489, 44.4004

## Background



This preview shows how black text looks on a background with the XYZ color 55.5965, 37.7489, 44.4004.



This preview shows how white text looks on a background with the XYZ color 55.5965, 37.7489,



# 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

55.5965, 37.7489, 44.4004

### Protanopia

37.8408, 37.9833, 61.2142

### Deuteranopia

38.6019, 37.7554, 41.8122



## Tritanopia

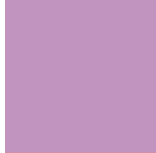
52.1782, 37.6518, 27.8100

# Trichromacy



## Original Color

55.5965, 37.7489, 44.4004



## Protanomaly

42.0967, 36.3230, 54.6615



## Deuteranomaly

43.3935, 36.5630, 42.8005



## Tritanomaly

53.2207, 37.5000, 33.2873

# Monochromacy



## Original Color

55.5965, 37.7489, 44.4004



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

41.7152, 36.8571, 42.9457

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5965, 37.7489, 44.4004 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, 120, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 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, 120, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5965, 37.7489, 44.4004 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, 120, 174) }
```



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

```
.border{ border-color:rgb(255, 120, 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, 120, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5965, 37.7489, 44.4004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 174) }
```

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

```
.background{ background-color: rgb(255,  
120, 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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