

Converting Colors

XYZ(71.1459, 45.1704, 44.4911)

Have a look what the booklet for
XYZ(71.1459, 45.1704, 44.4911)
contains.

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Color

**XYZ(55.1441, 36.9997,
43.7704)**

Conversions

Conversions Part 1

Format	Color
Hex	FF75AD
RGB	255, 117, 173
RGB Percent	100%, 46%, 68%
CMY	0.0000, 0.5411, 0.3216
CMYK	0.00, 0.54, 0.32, 0.00
HSL	336°, 100%, 73%
HSV	336°, 54%, 100%
XYZ	55.1441, 36.9997, 43.7704
YIQ	164.6460, 64.2720, 46.6720

Conversions

Conversions Part 2

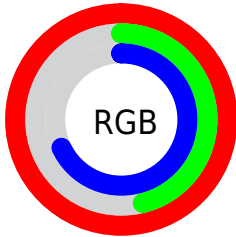
Format	Color
R _Y B	255, 117, 173
Decimal	16741805
CIE Lab	67.28, 58.07, -4.03
CIE LCh	67, 58.208, 356.035
Yxy	36.9997, 0.4057, 0.2722
Android (android.graphics.Color)	4294931885 (0xFFFF75AD)
YUV	164.6460, 4.1185, 79.2405
Hunter-Lab	60.8274, 55.3743, -0.0850

Details

The XYZ color **55.1441, 36.9997, 43.7704** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.4068, 79.4263, 66.5531**, and the grayscale version is **35.5554, 37.4070, 40.7362**.

A 20% lighter version of the original color is **70.1872, 56.7486, 80.6531**, and **27.6256, 16.3201, 19.7832** is the 20% darker color. If you saturate the color by 10%, you get **51.1831, 31.2927, 35.6216**, and if you desaturate by 10%, it is **60.0824, 44.3949, 53.0662**.

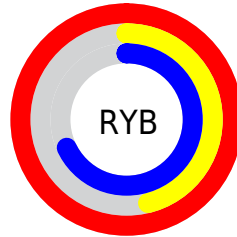
Distribution



Red (100%)

Green (46%)

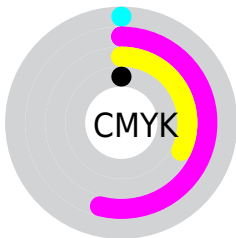
Blue (68%)



Red (100%)

Yellow (46%)

Blue (68%)

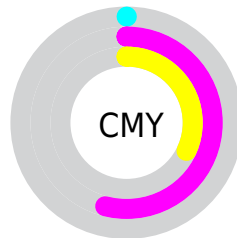


Cyan (0%)

Magenta (54%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1441, 36.9997, 43.7704 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 55.1441, 36.9997, 43.7704 by changing the saturation by 10% instead.


 55.1441, 36.9997,
43.7704


 55.1441, 36.9997,
43.7704


396.5855,
333.3092, 377.7844


 39.7514, 25.2073,
30.1542

 96.8991, 70.5723,
82.1709

 27.5281, 16.2315,
19.7026

 123.9922, 93.1213,
107.7923

 18.1089, 9.6881,
11.9971


 155.7161,
120.0246, 138.2525

 11.1284, 5.1927,
6.6192

192.4362,
151.6665, 173.9700

 6.2212, 2.3608,
3.1503

234.5178,
188.4316, 215.3635

 3.0220, 0.8056,
1.1719

282.3263,

 1.1654, 0.0000,

230.7041, 262.8513

0.0000

336.2271,
278.8685, 316.8521

■ 0.0788, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.1441, 36.9997,
43.7704

■ 55.1441, 36.9997,
43.7704

■ 51.1831, 31.2927,
35.6216

■ 60.0824, 44.3949,
53.0662

■ 48.1235, 27.1313,
28.5661

■ 66.0601, 53.5946,
63.5547

■ 45.8822, 24.3585,
22.5478

■ 73.1375, 64.7109,
75.2810

■ 44.3573, 22.7804,
17.5023

■ 81.3692, 77.8454,
88.2872

■ 43.7119, 22.2488,
14.9468

■ 90.8060, 93.0923,
102.6133

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.



51.3500, 36.9997, 74.3281



55.1441, 36.9997, 43.7704



52.8878, 36.9997, 22.3807

Triad

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



55.1441, 36.9997, 43.7704



28.1799, 36.9997, 10.3512



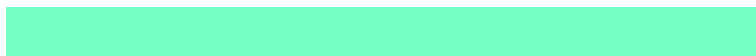
26.4488, 36.9997, 96.1172

Complementary

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



55.1441, 36.9997, 43.7704



53.4068, 79.4263, 66.5531

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.



21.9260, 36.9997, 65.8452



55.1441, 36.9997, 43.7704



22.8008, 36.9997, 18.6445

Square

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



55.1441, 36.9997, 43.7704



36.3635, 36.9997, 8.5106



20.7121, 36.9997, 36.9923



33.9973, 36.9997, 111.5984

Rectangle

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



55.1441, 36.9997, 43.7704



48.4311, 36.9997, 14.3101



20.7121, 36.9997, 36.9923



24.5772, 36.9997, 86.8431

Sweetspot

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



55.1451, 37.0016, 43.7711



79.7265, 75.2101, 85.7352



47.5702, 31.8828, 98.2545



16.6912, 15.5004, 17.7659



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.



55.1451, 37.0016, 43.7711



50.8769, 30.8639, 34.9535



52.2368, 38.1155, 21.4359



18.3148, 18.1093, 20.2751



22.9097, 11.6532, 8.1752



2.2831, 1.1556, 1.0723

Inverse Universe

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



55.1451, 37.0016, 43.7711



50.8769, 30.8639, 34.9535



57.5878, 75.4037, 106.1269



18.3148, 18.1093, 20.2751



22.9097, 11.6532, 8.1752



2.2831, 1.1556, 1.0723

Previews

White Background



This preview shows how the XYZ color 55.1441, 36.9997, 43.7704 looks on a white background.

Color Contrast Check

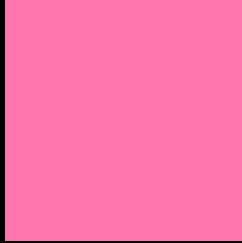
Large Text (above 18pt) WCAG AA × Fail

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 55.1441, 36.9997, 43.7704 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 55.1441, 36.9997, 43.7704

Background



This preview shows how black text looks on a background with the XYZ color 55.1441, 36.9997, 43.7704.



This preview shows how white text looks on a background with the XYZ color 55.1441, 36.9997,

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

55.1441, 36.9997, 43.7704

Protanopia

37.2754, 37.4272, 61.1367

Deuteranopia

37.8715, 37.1332, 41.2478



Tritanopia

51.7816, 37.0839, 26.9830

Trichromacy



Original Color

55.1441, 36.9997, 43.7704



Protanomaly

41.1687, 35.3957, 53.9524



Deuteranomaly

42.8668, 36.0765, 42.2402



Tritanomaly

52.8128, 36.9398, 32.3635

Monochromacy



Original Color

55.1441, 36.9997, 43.7704



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

40.9465, 36.0127, 41.8388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1441, 36.9997, 43.7704 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, 117, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 173)  
}
```

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, 117, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 173) }
```

Border

The CSS property to change the border of an element to XYZ 55.1441, 36.9997, 43.7704 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, 117, 173) }
```


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

```
.border{ border-color:rgb(255, 117, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1441, 36.9997, 43.7704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 173) }
```

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

```
.background{ background-color: rgb(255,  
117, 173) }
```

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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