

Converting Colors

XYZ(55.3735, 36.2194, 47.6667)

Have a look what the booklet for
XYZ(55.3735, 36.2194, 47.6667)
contains.

XYZ(55.3747, 36.1845, 47.7818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.3747, 36.1845,
47.7818)**

Conversions

Conversions Part 1

Format	Color
Hex	FF70B5
RGB	255, 112, 181
RGB Percent	100%, 44%, 71%
CMY	0.0000, 0.5608, 0.2902
CMYK	0.00, 0.56, 0.29, 0.00
HSL	331°, 100%, 72%
HSV	331°, 56%, 100%
XYZ	55.3747, 36.1845, 47.7818
YIQ	162.6230, 63.0790, 51.7750

Conversions

Conversions Part 2

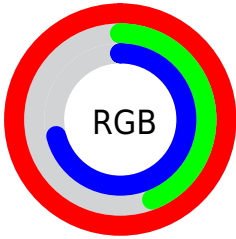
Format	Color
R _Y B	255, 112, 181
Decimal	16740533
CIE Lab	66.66, 61.30, -9.47
CIE LCh	67, 62.031, 351.223
Yxy	36.1845, 0.3974, 0.2597
Android (android.graphics.Color)	4294930613 (0xFFFF70B5)
YUV	162.6230, 9.0599, 81.0146
Hunter-Lab	60.1536, 59.0505, -4.9884

Details

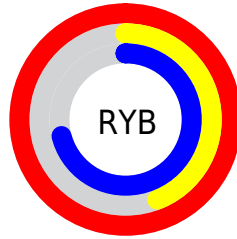
The XYZ color **55.3747, 36.1845, 47.7818** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.3067, 78.5107, 58.9082**, and the grayscale version is **34.5742, 36.3748, 39.6121**.

A 20% lighter version of the original color is **70.7140, 55.7504, 87.1546**, and **27.7211, 15.7989, 22.0105** is the 20% darker color. If you saturate the color by 10%, you get **51.6581, 30.8168, 40.1758**, and if you desaturate by 10%, it is **60.0177, 43.1999, 56.3302**.

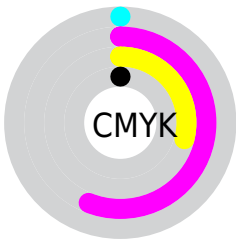
Distribution



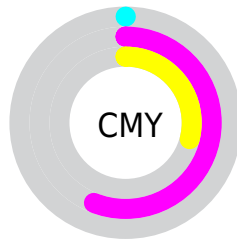
- Red (100%)
- Green (44%)
- Blue (71%)



- Red (100%)
- Yellow (44%)
- Blue (71%)



- Cyan (0%)
- Magenta (56%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (56%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.3747, 36.1845, 47.7818 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 55.3747, 36.1845, 47.7818 by changing the saturation by 10% instead.


 55.3747, 36.1845,
47.7818

 55.3747, 36.1845,
47.7818


397.4441,
329.7662, 394.4103


 39.9368, 24.5767,
33.2954


 97.2349, 69.3167,
88.2416

 27.6733, 15.7620,
22.0798


 124.3879, 91.6100,
115.0520

 18.2187, 9.3559,
13.7167


 156.1766,
118.2339, 146.8076

 11.2078, 4.9740,
7.7874

192.9665,
149.5727, 183.9267

 6.2751, 2.2320,
3.8734

235.1228,
186.0110, 226.8280

 3.0553, 0.7374,
1.5561

283.0109,

 1.1831, 0.0000,

227.9331, 275.9300

0.2592

336.9962,
275.7234, 331.6513

■ 0.0929, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.3747, 36.1845,
47.7818

■ 55.3747, 36.1845,
47.7818

■ 51.6581, 30.8168,
40.1758

■ 60.0177, 43.1999,
56.3302

■ 48.7927, 26.9517,
33.4685

■ 65.6492, 51.9813,
65.8573

■ 46.6945, 24.4275,
27.6141

■ 72.3284, 62.6423,
76.3995

■ 45.2591, 23.0414,
22.5584

■ 80.1091, 75.2852,
87.9903

■ 44.8174, 22.6910,
20.7684

■ 89.0411, 90.0050,
100.6613

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.



50.3827, 36.1845, 81.1993



55.3747, 36.1845, 47.7818



54.0016, 36.1845, 23.5561

Triad

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



55.3747, 36.1845, 47.7818



28.2909, 36.1845, 8.2686



24.3242, 36.1845, 94.6521

Complementary

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



55.3747, 36.1845, 47.7818



51.3067, 78.5107, 58.9082

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.



20.2180, 36.1845, 61.1098



55.3747, 36.1845, 47.7818



22.2032, 36.1845, 15.1640

Square

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



55.3747, 36.1845, 47.7818



37.2068, 36.1845, 7.2905



19.5189, 36.1845, 32.0585



31.7234, 36.1845, 115.2469

Rectangle

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



55.3747, 36.1845, 47.7818



49.7497, 36.1845, 14.2913



19.5189, 36.1845, 32.0585



22.5733, 36.1845, 83.9538

Sweetspot

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



55.3756, 36.1862, 47.7825



79.3421, 74.0306, 86.8738



44.0673, 29.2350, 97.9281



16.6330, 15.2751, 18.0821



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.



55.3756, 36.1862, 47.7825



51.3586, 30.3986, 39.5186



50.2265, 34.5530, 19.3536



18.3745, 18.1331, 20.5892



23.4927, 11.8864, 11.2449



2.3423, 1.1793, 1.3839

Inverse Universe

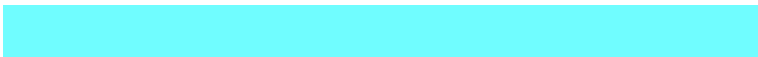
The Inverse Universe completely reimagines the original color for something new.



55.3756, 36.1862, 47.7825



51.3586, 30.3986, 39.5186



59.7375, 80.6741, 107.0309



18.3745, 18.1331, 20.5892



23.4927, 11.8864, 11.2449



2.3423, 1.1793, 1.3839

Previews

White Background



This preview shows how the XYZ color 55.3747, 36.1845, 47.7818 looks on a white background.

Color Contrast Check

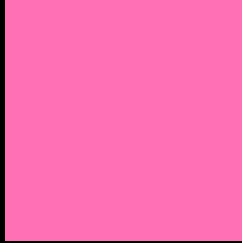
Large Text (above 18pt) WCAG AA × Fail

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 55.3747, 36.1845, 47.7818 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 55.3747, 36.1845, 47.7818

Background



This preview shows how black text looks on a background with the XYZ color 55.3747, 36.1845, 47.7818.



This preview shows how white text looks on a background with the XYZ color 55.3747, 36.1845,

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

55.3747, 36.1845, 47.7818

Protanopia

37.0952, 36.6407, 68.7356

Deuteranopia

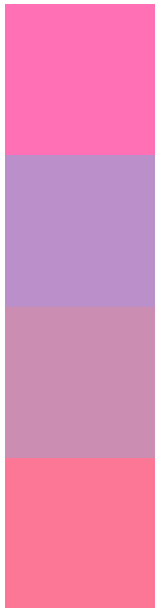
37.1004, 36.3939, 45.1137



Tritanopia

50.9634, 36.3138, 25.7959

Trichromacy



Original Color

55.3747, 36.1845, 47.7818

Protanomaly

40.9766, 34.4740, 60.3716

Deuteranomaly

42.0893, 34.9206, 46.1170

Tritanomaly

52.1665, 36.0590, 32.6444

Monochromacy



Original Color

55.3747, 36.1845, 47.7818

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

39.9939, 34.5846, 42.5978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3747, 36.1845, 47.7818 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, 112, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 181)  
}
```

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, 112, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 181) }
```

Border

The CSS property to change the border of an element to XYZ 55.3747, 36.1845, 47.7818 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, 112, 181) }
```


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

```
.border{ border-color:rgb(255, 112, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3747, 36.1845, 47.7818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 181) }
```

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

```
.background{ background-color: rgb(255,  
112, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor