

# Converting Colors

XYZ(67.6641, 42.4185, 48.7753)

Have a look what the booklet for  
XYZ(67.6641, 42.4185, 48.7753)  
contains.

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# Color

**XYZ(55.3679, 36.0063,  
48.2877)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6FB6
RGB	255, 111, 182
RGB Percent	100%, 44%, 71%
CMY	0.0000, 0.5647, 0.2863
CMYK	0.00, 0.56, 0.29, 0.00
HSL	330°, 100%, 72%
HSV	330°, 56%, 100%
XYZ	55.3679, 36.0063, 48.2877
YIQ	162.1500, 63.0330, 52.6090

# Conversions

## Conversions Part 2

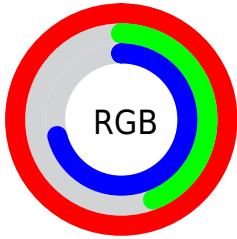
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 111, 182
Decimal	16740278
CIE <sub>Lab</sub>	66.52, 61.87, -10.23
CIE <sub>LCh</sub>	67, 62.714, 350.608
Yxy	36.0063, 0.3964, 0.2578
Android (android.graphics.Color)	4294930358 (0xFFFF6FB6)
YUV	162.1500, 9.7861, 81.4295
Hunter-Lab	60.0052, 59.6959, -5.7084

# Details

The XYZ color **55.3679, 36.0063, 48.2877** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.9691, 78.3610, 57.7904**, and the grayscale version is **34.3492, 36.1380, 39.3543**.

A 20% lighter version of the original color is **70.6752, 55.4383, 87.8646**, and **27.6961, 15.6431, 22.3285** is the 20% darker color. If you saturate the color by 10%, you get **51.6970, 30.7046, 40.7739**, and if you desaturate by 10%, it is **59.9581, 42.9487, 56.7171**.

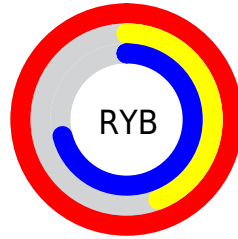
# Distribution



Red (100%)

Green (44%)

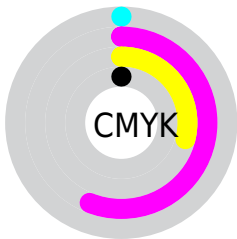
Blue (71%)



Red (100%)

Yellow (44%)

Blue (71%)

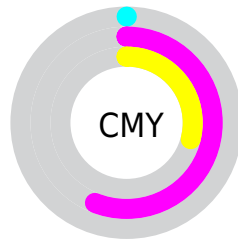


Cyan (0%)

Magenta (56%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3679, 36.0063, 48.2877 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 55.3679, 36.0063, 48.2877 by changing the saturation by 10% instead.





 55.3679, 36.0063,  
48.2877


 55.3679, 36.0063,  
48.2877


397.4188,  
328.9881, 396.4729


 39.9314, 24.4391,  
33.6932


 97.2250, 69.0418,  
89.0026

 27.6690, 15.6596,  
22.3825


 124.3762, 91.2788,  
115.9601

 18.2155, 9.2836,  
13.9372


 156.1630,  
117.8413, 147.8756

 11.2054, 4.9266,  
7.9388

192.9508,  
149.1135, 185.1677

 6.2735, 2.2043,  
3.9686

235.1049,  
185.4799, 228.2549

 3.0543, 0.7223,  
1.6081

282.9907,

 1.1826, 0.0000,

227.3248, 277.5559

0.2966

336.9736,  
275.0328, 333.4890

■ 0.0925, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.3679, 36.0063,  
48.2877

■ 55.3679, 36.0063,  
48.2877

■ 51.6970, 30.7046,  
40.7739

■ 59.9581, 42.9487,  
56.7171

■ 48.8694, 26.8978,  
34.1332

■ 65.5293, 51.6506,  
66.0975

■ 46.8011, 24.4231,  
28.3206

■ 72.1407, 62.2256,  
76.4642

■ 45.3865, 23.0751,  
23.2831

■ 79.8462, 74.7766,  
87.8498

■ 44.9880, 22.7592,  
21.6669

■ 88.6956, 89.3986,  
100.2849

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.



50.2045, 36.0063, 82.1646



55.3679, 36.0063, 48.2877



54.1156, 36.0063, 23.6428

# Triad

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



55.3679, 36.0063, 48.2877



28.2390, 36.0063, 7.9474



23.9728, 36.0063, 94.4645

# Complementary

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



55.3679, 36.0063, 48.2877



50.9691, 78.3610, 57.7904

# 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.



19.9222, 36.0063, 60.4281



55.3679, 36.0063, 48.2877



22.0534, 36.0063, 14.6501

# Square

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



55.3679, 36.0063, 48.2877



37.2627, 36.0063, 7.0764



19.2906, 36.0063, 31.3388



31.3531, 36.0063, 115.8151



# Rectangle

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



55.3679, 36.0063, 48.2877



49.8864, 36.0063, 14.2173



19.2906, 36.0063, 31.3388



22.2381, 36.0063, 83.5522

# Sweetspot

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



55.3689, 36.0081, 48.2884



79.4073, 74.0567, 87.2171



43.2648, 28.6585, 97.8591



16.6484, 15.2812, 18.1630



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.



55.3689, 36.0081, 48.2884



51.2108, 30.0278, 39.7005



49.7950, 33.7786, 18.9367



18.3827, 18.1364, 20.6326



23.5823, 11.9222, 11.7169



2.3512, 1.1828, 1.4307



# Inverse Universe

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



55.3689, 36.0081, 48.2884



51.2108, 30.0278, 39.7005



60.3666, 82.1200, 107.2768



18.3827, 18.1364, 20.6326



23.5823, 11.9222, 11.7169



2.3512, 1.1828, 1.4307



# Previews

## White Background



This preview shows how the XYZ color 55.3679, 36.0063, 48.2877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

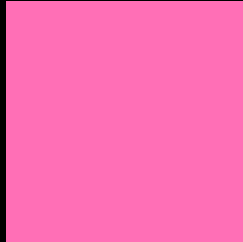
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.3679, 36.0063, 48.2877 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 55.3679, 36.0063, 48.2877**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.3679, 36.0063, 48.2877.



This preview shows how white text looks on a background with the XYZ color 55.3679, 36.0063,



# 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

55.3679, 36.0063, 48.2877

### Protanopia

36.8692, 36.2510, 69.3439

### Deuteranopia

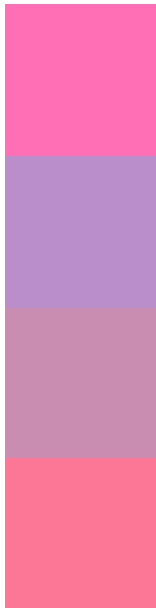
36.9780, 36.3195, 45.6189



## Tritanopia

50.8399, 36.0670, 25.7548

# Trichromacy



## Original Color

55.3679, 36.0063, 48.2877

## Protanomaly

40.7022, 34.0969, 60.9360

## Deuteranomaly

41.9179, 34.8207, 46.6312

## Tritanomaly

52.1283, 35.8543, 33.0273

# Monochromacy



## Original Color

55.3679, 36.0063, 48.2877

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

39.7488, 34.2453, 42.0511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3679, 36.0063, 48.2877 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, 111, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 182)  
}
```

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, 111, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3679, 36.0063, 48.2877 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, 111, 182) }
```



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

```
.border{ border-color:rgb(255, 111, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3679, 36.0063, 48.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 182) }
```

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

```
.background{ background-color: rgb(255,  
111, 182) }
```

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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