

# Converting Colors

XYZ(62.7223, 50.4729, 69.4585)

Have a look what the booklet for  
XYZ(62.7223, 50.4729, 69.4585)  
contains.

<b>XYZ(62.7636, 50.4110, 69.3731)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.7636, 50.4110,  
69.3731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5A3D5
RGB	245, 163, 213
RGB Percent	96%, 64%, 84%
CMY	0.0392, 0.3608, 0.1647
CMYK	0.00, 0.33, 0.13, 0.04
HSL	323°, 80%, 80%
HSV	323°, 33%, 96%
XYZ	62.7636, 50.4110, 69.3731
YIQ	193.2180, 32.8220, 32.9340

# Conversions

## Conversions Part 2

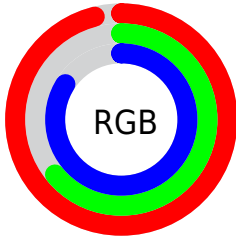
Format	Color
R <sub>YB</sub>	245, 163, 213
Decimal	16098261
CIE <sub>Lab</sub>	76.32, 37.47, -12.92
CIE <sub>LCh</sub>	76, 39.636, 340.971
Y <sub>xy</sub>	50.4110, 0.3438, 0.2762
Android (android.graphics.Color)	4294288341 (0xFFF5A3D5)
Y <sub>UV</sub>	193.2180, 9.7525, 45.4128
Hunter-Lab	71.0007, 33.5402, -8.2304

# Details

The XYZ color **62.7636, 50.4110, 69.3731** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.6091, 77.0328, 63.4657**, and the grayscale version is **50.7490, 53.3919, 58.1438**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **32.2410, 24.1853, 35.3167** is the 20% darker color. If you saturate the color by 10%, you get **57.6497, 42.0679, 61.8563**, and if you desaturate by 10%, it is **68.7947, 60.4726, 77.5497**.

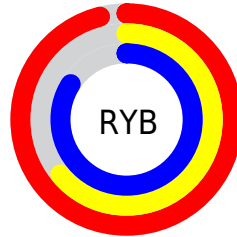
# Distribution



Red (96%)

Green (64%)

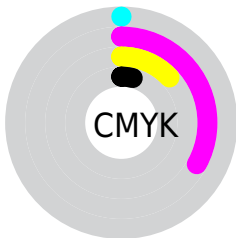
Blue (84%)



Red (96%)

Yellow (64%)

Blue (84%)

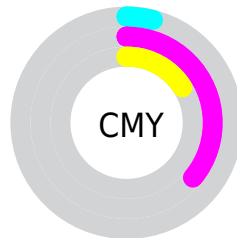


Cyan (0%)

Magenta (33%)

Yellow (13%)

Black (4%)



Cyan (4%)

Magenta (36%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7636, 50.4110, 69.3731 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 62.7636, 50.4110, 69.3731 by changing the saturation by 10% instead.





 62.7636, 50.4110,  
69.3731


 62.7636, 50.4110,  
69.3731


424.3843,  
388.2710, 477.0753

 45.9079, 35.7401,  
50.5420

 107.9121, 90.7835,  
119.9870

 32.3775, 24.2335,  
35.4700


 136.9357,  
117.2539, 152.6069

 21.8069, 15.5069,  
23.7387


170.7459,  
148.4263, 190.6602

 13.8309, 9.1759,  
14.9295

209.7081,  
184.6850, 234.5653

 8.0841, 4.8561,  
8.6239

254.1877,  
226.4144, 284.7408

 4.2010, 2.1631,  
4.4032

304.5500,

 1.8165, 0.6998,

273.9989, 341.6053

1.8491

361.1605,  
327.8230, 405.5773

■ 0.5276, 0.0000,  
0.4600

■ 0.0000, 0.0000,  
0.0000

■ 62.7636, 50.4110,  
69.3731

■ 62.7636, 50.4110,  
69.3731

■ 57.6497, 42.0679,  
61.8563

■ 68.7947, 60.4726,  
77.5497

■ 53.3983, 35.3381,  
54.9736

■ 75.7846, 72.3360,  
86.4044

■ 49.9560, 30.1158,  
48.7014

■ 83.7777, 86.0874,  
95.9581

■ 47.2609, 26.2794,  
43.0128

■ 90.8680, 97.9133,  
105.5811

■ 45.2415, 23.6882,  
37.8774

■ 91.4665, 98.1526,  
108.7323

■ 43.8114, 22.1712,  
33.2596

■ 43.1121, 21.5949,  
30.4913

# Harmonies

## Analogous

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



57.9281, 50.4110, 92.0344



62.7636, 50.4110, 69.3731



63.3891, 50.4110, 47.4495

# Triad

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



62.7636, 50.4110, 69.3731



45.2407, 50.4110, 23.6732



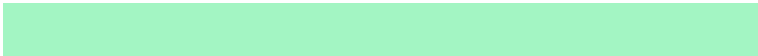
37.8965, 50.4110, 86.4027

# Complementary

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



62.7636, 50.4110, 69.3731



57.6091, 77.0328, 63.4657

# 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.



35.1880, 50.4110, 63.0681



62.7636, 50.4110, 69.3731



39.1263, 50.4110, 29.3854

# Square

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



62.7636, 50.4110, 69.3731



52.7355, 50.4110, 24.5348



35.6136, 50.4110, 42.5758



43.3959, 50.4110, 103.4932



# Rectangle

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



62.7636, 50.4110, 69.3731



61.2686, 50.4110, 36.3767



35.6136, 50.4110, 42.5758



36.6566, 50.4110, 78.8091

# Sweetspot

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



62.7651, 50.4133, 69.3741



85.8867, 84.1712, 98.1448



51.9404, 44.3165, 92.2032



18.1270, 17.5765, 20.6969



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.



62.7651, 50.4133, 69.3741



64.9218, 48.9587, 70.4482



58.2562, 48.6098, 45.6306



16.9237, 16.6523, 19.3446



23.2951, 11.6615, 16.7945



2.0978, 1.0451, 1.7411



# Inverse Universe

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



62.7651, 50.4133, 69.3741



64.9218, 48.9587, 70.4482



62.8164, 79.1158, 90.8870



16.9237, 16.6523, 19.3446



23.2951, 11.6615, 16.7945

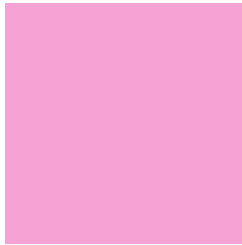


2.0978, 1.0451, 1.7411



# Previews

## White Background



This preview shows how the XYZ color 62.7636, 50.4110, 69.3731 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

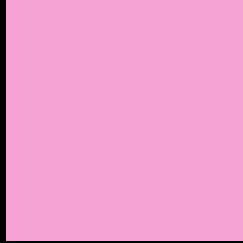
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7636, 50.4110, 69.3731 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

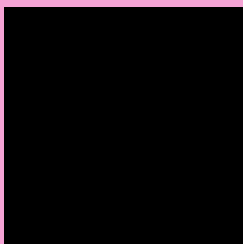
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.7636, 50.4110, 69.3731**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.7636, 50.4110, 69.3731.



This preview shows how white text looks on a background with the XYZ color 62.7636, 50.4110,



# 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

62.7636, 50.4110, 69.3731

### Protanopia

50.5036, 50.7815, 81.2687

### Deuteranopia

51.6751, 50.7547, 67.3947



## Tritanopia

58.9071, 50.4541, 50.8898

# Trichromacy



## Original Color

62.7636, 50.4110, 69.3731



## Protanomaly

53.8683, 49.8650, 76.5978



## Deuteranomaly

54.8897, 50.0000, 67.7307



## Tritanomaly

60.0623, 50.3649, 57.0079

# Monochromacy



## Original Color

62.7636, 50.4110, 69.3731



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

54.3047, 51.6231, 61.7457

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7636, 50.4110, 69.3731 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(245, 163, 213)` looks like.

```
.text, #text, p{  
    color:rgb(245, 163, 213)  
}
```

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(245, 163, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 163, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7636, 50.4110, 69.3731 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(245, 163, 213) }
```



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

```
.border{ border-color:rgb(245, 163, 213) }
```

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

Here you see how a box with a 4 pixel rgb(245, 163, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 163, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 163, 213);  
box-shadow:4px 4px 4px 4px rgb(245, 163,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7636, 50.4110, 69.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 163, 213) }
```

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

```
.background{ background-color: rgb(245,  
163, 213) }
```

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