

# Converting Colors

XYZ(128.0699, 78.6607,  
69.9956)

Have a look what the booklet for  
XYZ(128.0699, 78.6607, 69.9956)  
contains.

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# Color

**XYZ(62.3760, 44.7193,  
66.9721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8CD3
RGB	255, 140, 211
RGB Percent	100%, 55%, 83%
CMY	0.0000, 0.4510, 0.1725
CMYK	0.00, 0.45, 0.17, 0.00
HSL	323°, 100%, 77%
HSV	323°, 45%, 100%
XYZ	62.3760, 44.7193, 66.9721
YIQ	182.4790, 45.7490, 46.4610

# Conversions

## Conversions Part 2

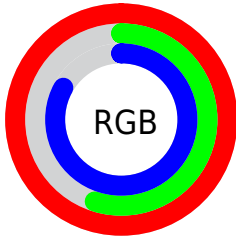
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 140, 211
Decimal	16747731
CIE Lab	72.71, 52.15, -17.15
CIE LCh	73, 54.896, 341.800
Yxy	44.7193, 0.3583, 0.2569
Android (android.graphics.Color)	4294937811 (0xFFFF8CD3)
YUV	182.4790, 14.0609, 63.6009
Hunter-Lab	66.8725, 49.4708, -12.5676

# Details

The XYZ color **62.3760, 44.7193, 66.9721** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.2286, 80.5569, 57.9887**, and the grayscale version is **44.6339, 46.9584, 51.1376**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **32.0935, 20.7916, 33.7742** is the 20% darker color. If you saturate the color by 10%, you get **57.8859, 37.6377, 59.6228**, and if you desaturate by 10%, it is **67.8055, 53.5609, 75.0020**.

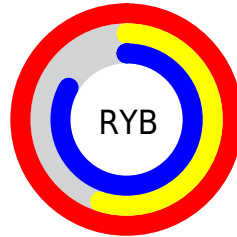
# Distribution



Red (100%)

Green (55%)

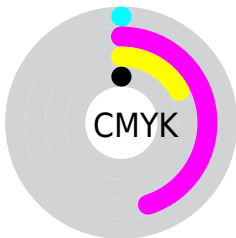
Blue (83%)



Red (100%)

Yellow (55%)

Blue (83%)

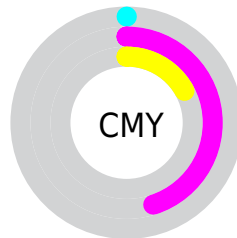


Cyan (0%)

Magenta (45%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3760, 44.7193, 66.9721 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 62.3760, 44.7193, 66.9721 by changing the saturation by 10% instead.




 62.3760, 44.7193,  
66.9721


 62.3760, 44.7193,  
66.9721


422.9970,  
365.6355, 468.3442

 45.5933, 31.2364,  
48.6005


 107.3556, 82.2990,  
116.5207

 32.1283, 20.7789,  
33.9393


 136.2833,  
107.1646, 148.5348

 21.6155, 12.9625,  
22.5700


169.9901,  
136.5933, 185.9334

 13.6897, 7.4027,  
14.0740

208.8412,  
170.9693, 229.1352

 7.9854, 3.7152,  
8.0328

253.2021,  
210.6772, 278.5586

 4.1373, 1.5156,  
4.0279

303.4382,

 1.7801, 0.2996,

256.1012, 334.6223

1.6407

359.9147,  
307.6259, 397.7446

■ 0.5057, 0.0000,  
0.3196

■ 0.0000, 0.0000,  
0.0000

■ 62.3760, 44.7193,  
66.9721

■ 62.3760, 44.7193,  
66.9721

■ 57.8859, 37.6377,  
59.6228

■ 67.8055, 53.5609,  
75.0020

■ 54.2706, 32.1889,  
52.9244

■ 74.2275, 64.2665,  
83.7348

■ 51.4613, 28.2376,  
46.8480

■ 81.6944, 76.9391,  
93.1946

■ 49.3771, 25.6242,  
41.3597

■ 90.2538, 91.6720,  
103.4034

■ 47.9185, 24.1517, 95.0500, 100.0000,  
36.4195 108.9000

■ 47.3627, 23.7091,  
34.1716

# Harmonies

## Analogous

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



55.9120, 44.7193, 99.1694



62.3760, 44.7193, 66.9721



63.0616, 44.7193, 38.7372

# Triad

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



62.3760, 44.7193, 66.9721



38.8693, 44.7193, 13.2888



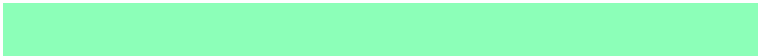
30.2652, 44.7193, 92.6670

# Complementary

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



62.3760, 44.7193, 66.9721



55.2286, 80.5569, 57.9887

# 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.



26.9843, 44.7193, 60.2203



62.3760, 44.7193, 66.9721



31.4322, 44.7193, 19.1312

# Square

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



62.3760, 44.7193, 66.9721



48.4826, 44.7193, 13.9365



27.3769, 44.7193, 34.0830



37.0389, 44.7193, 117.4143



# Rectangle

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



62.3760, 44.7193, 66.9721



60.0396, 44.7193, 25.9588



27.3769, 44.7193, 34.0830



28.7663, 44.7193, 81.8765

# Sweetspot

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



62.3770, 44.7212, 66.9730



82.5779, 78.4509, 94.2761



46.7608, 35.9439, 99.0811



17.3053, 16.1594, 19.7249



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.



62.3770, 44.7212, 66.9730



58.3341, 38.3317, 60.3957



56.5639, 42.3960, 36.3618



18.4808, 18.1756, 21.1491



24.8232, 12.4186, 18.2511



2.4703, 1.2305, 2.0580



# Inverse Universe

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



62.3770, 44.7212, 66.9730



58.3341, 38.3317, 60.3957



62.2551, 83.3675, 94.9897



18.4808, 18.1756, 21.1491



24.8232, 12.4186, 18.2511



2.4703, 1.2305, 2.0580



# Previews

## White Background



This preview shows how the XYZ color 62.3760, 44.7193, 66.9721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

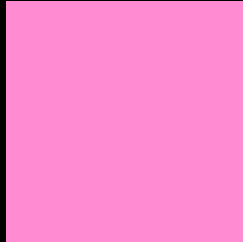
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3760, 44.7193, 66.9721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

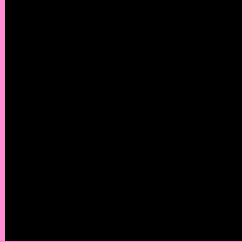
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.3760, 44.7193, 66.9721**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3760, 44.7193, 66.9721.



This preview shows how white text looks on a background with the XYZ color 62.3760, 44.7193,



# 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

62.3760, 44.7193, 66.9721

### Protanopia

45.9085, 45.2401, 86.4333

### Deuteranopia

45.9227, 44.8702, 63.9980



## Tritanopia

56.7637, 44.7099, 39.3563

# Trichromacy



## Original Color

62.3760, 44.7193, 66.9721



## Protanomaly

50.0440, 43.8881, 79.2324



## Deuteranomaly

50.7612, 44.0473, 64.8581



## Tritanomaly

58.5605, 44.5079, 48.1522

# Monochromacy



## Original Color

62.3760, 44.7193, 66.9721



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

49.7389, 45.0430, 56.5247

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3760, 44.7193, 66.9721 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, 140, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 211)  
}
```

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, 140, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3760, 44.7193, 66.9721 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, 140, 211) }
```



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

```
.border{ border-color:rgb(255, 140, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3760, 44.7193, 66.9721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 211) }
```

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

```
.background{ background-color: rgb(255,  
140, 211) }
```

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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