

# Converting Colors

XYZ(122.6160, 75.4841,  
72.7039)

Have a look what the booklet for  
XYZ(122.6160, 75.4841, 72.7039)  
contains.

<b>XYZ(62.7384, 44.6315, 69.5981)</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(62.7384, 44.6315,  
69.5981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8BD7
RGB	255, 139, 215
RGB Percent	100%, 55%, 84%
CMY	0.0000, 0.4549, 0.1569
CMYK	0.00, 0.45, 0.16, 0.00
HSL	321°, 100%, 77%
HSV	321°, 45%, 100%
XYZ	62.7384, 44.6315, 69.5981
YIQ	182.3480, 44.7400, 48.2280

# Conversions

## Conversions Part 2

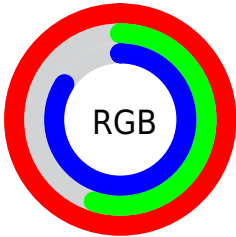
Format	Color
R <sub>Y</sub> B	255, 139, 215
Decimal	16747479
CIE Lab	72.65, 53.24, -19.44
CIE LCh	73, 56.679, 339.940
Yxy	44.6315, 0.3545, 0.2522
Android (android.graphics.Color)	4294937559 (0xFFFF8BD7)
YUV	182.3480, 16.0974, 63.7158
Hunter-Lab	66.8068, 50.7178, -15.0025

# Details

The XYZ color **62.7384, 44.6315, 69.5981** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **54.5458, 80.2644, 55.2684**, and the grayscale version is **44.5521, 46.8723, 51.0439**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **32.3586, 20.7708, 35.5614** is the 20% darker color. If you saturate the color by 10%, you get **58.3676, 37.6499, 62.7156**, and if you desaturate by 10%, it is **68.0329, 53.3632, 77.0892**.

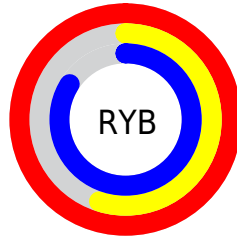
# Distribution



Red (100%)

Green (55%)

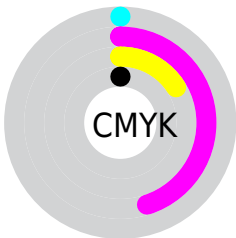
Blue (84%)



Red (100%)

Yellow (55%)

Blue (84%)

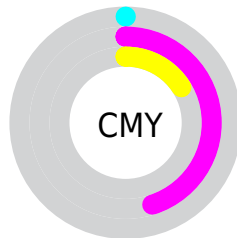


Cyan (0%)

Magenta (45%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7384, 44.6315, 69.5981 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 62.7384, 44.6315, 69.5981 by changing the saturation by 10% instead.




 62.7384, 44.6315,  
69.5981


 62.7384, 44.6315,  
69.5981


424.2942,  
365.2791, 477.8885


 45.8875, 31.1673,  
50.7242

 107.8759, 82.1672,  
120.3112

 32.3613, 20.7263,  
35.6139


 136.8933,  
107.0074, 152.9874

 21.7945, 12.9241,  
23.8489


 170.6968,  
136.4084, 191.1015

 13.8217, 7.3763,  
15.0104

209.6518,  
170.7546, 235.0720

 8.0776, 3.6985,  
8.6800

254.1237,  
210.4304, 285.3174

 4.1969, 1.5064,  
4.4391

304.4778,

 1.8141, 0.2932,

255.8201, 342.2562

1.8692

361.0795,  
307.3082, 406.3071

■ 0.5262, 0.0000,  
0.4730

■ 0.0000, 0.0000,  
0.0000

■ 62.7384, 44.6315,  
69.5981

■ 62.7384, 44.6315,  
69.5981

■ 58.3676, 37.6499,  
62.7156

■ 68.0329, 53.3632,  
77.0892

■ 54.8558, 32.2907,  
56.4140

■ 74.3040, 63.9493,  
85.2095

■ 52.1345, 28.4182,  
50.6660

■ 81.6038, 76.4928,  
93.9814

■ 50.1224, 25.8718,  
45.4399

■ 89.9799, 91.0874,  
103.4251

■ 48.7195, 24.4527, 95.0500, 100.0000,  
40.6971 108.9000

■ 48.2212, 24.0525,  
38.6923

# Harmonies

## Analogous

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



55.7306, 44.6315, 102.9490



62.7384, 44.6315, 69.5981



63.8637, 44.6315, 39.8482

# Triad

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



62.7384, 44.6315, 69.5981



39.2450, 44.6315, 12.4274



29.5312, 44.6315, 92.2227

# Complementary

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



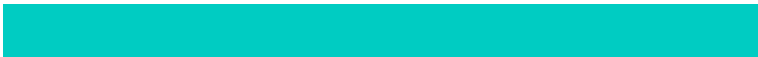
62.7384, 44.6315, 69.5981



54.5458, 80.2644, 55.2684

# 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.



26.4114, 44.6315, 58.5389



62.7384, 44.6315, 69.5981



31.4193, 44.6315, 17.8138

# Square

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



62.7384, 44.6315, 69.5981



49.2307, 44.6315, 13.4485



27.0448, 44.6315, 32.3113



36.2699, 44.6315, 119.1230



# Rectangle

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



62.7384, 44.6315, 69.5981



60.9715, 44.6315, 26.2992



27.0448, 44.6315, 32.3113



28.0755, 44.6315, 80.8811

# Sweetspot

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



62.7394, 44.6334, 69.5990



82.7806, 78.5320, 95.3434



45.5682, 35.1132, 98.9836



17.3548, 16.1792, 19.9857



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.



62.7394, 44.6334, 69.5990



58.5603, 37.9518, 63.0376



56.6743, 42.2074, 37.6606



18.5109, 18.1877, 21.3078



25.2696, 12.5971, 20.6022



2.5119, 1.2471, 2.2770



# Inverse Universe

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



62.7394, 44.6334, 69.5990



58.5603, 37.9518, 63.0376



61.5006, 83.0463, 91.8921



18.5109, 18.1877, 21.3078



25.2696, 12.5971, 20.6022



2.5119, 1.2471, 2.2770



# Previews

## White Background



This preview shows how the XYZ color 62.7384, 44.6315, 69.5981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

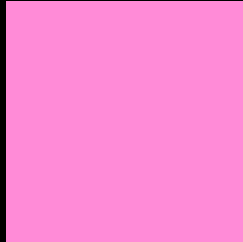
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7384, 44.6315, 69.5981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

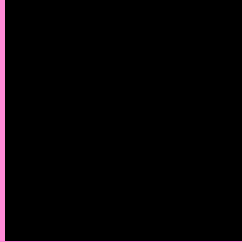
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.7384, 44.6315, 69.5981**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.7384, 44.6315, 69.5981.



This preview shows how white text looks on a background with the XYZ color 62.7384, 44.6315,



# 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

62.7384, 44.6315, 69.5981

### Protanopia

46.0496, 44.9351, 90.2507

### Deuteranopia

45.7007, 44.6993, 66.5407



## Tritanopia

56.4063, 44.5256, 39.3396

# Trichromacy



## Original Color

62.7384, 44.6315, 69.5981



## Protanomaly

50.1684, 43.6227, 82.1198



## Deuteranomaly

50.5152, 43.6028, 67.3818



## Tritanomaly

58.4030, 44.4032, 49.2086

# Monochromacy



## Original Color

62.7384, 44.6315, 69.5981



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

49.6683, 44.7228, 57.0535

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7384, 44.6315, 69.5981 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, 139, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 215)  
}
```

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, 139, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7384, 44.6315, 69.5981 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, 139, 215) }
```



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

```
.border{ border-color:rgb(255, 139, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7384, 44.6315, 69.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 215) }
```

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

```
.background{ background-color: rgb(255,  
139, 215) }
```

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