

# Converting Colors

XYZ(70.5751, 57.0266, 82.3168)

Have a look what the booklet for  
XYZ(70.5751, 57.0266, 82.3168)  
contains.

<b>XYZ(70.4665, 56.8603, 82.1241)</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(70.4665, 56.8603,  
82.1241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFADEC
RGB	255, 173, 230
RGB Percent	100%, 68%, 90%
CMY	0.0000, 0.3215, 0.0980
CMYK	0.00, 0.32, 0.10, 0.00
HSL	318°, 100%, 84%
HSV	318°, 32%, 100%
XYZ	70.4665, 56.8603, 82.1241
YIQ	204.0160, 30.5750, 35.1110

# Conversions

## Conversions Part 2

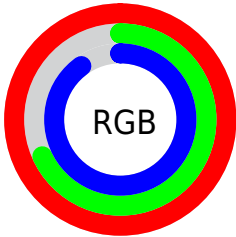
Format	Color
R <sub>Y</sub> B	255, 173, 230
Decimal	16756198
CIE Lab	80.10, 38.31, -16.36
CIE LCh	80, 41.654, 336.870
Yxy	56.8603, 0.3364, 0.2715
Android (android.graphics.Color)	4294946278 (0xFFFFA6E6)
YUV	204.0160, 12.8101, 44.7130
Hunter-Lab	75.4058, 34.8477, -11.7884

# Details

The XYZ color **70.4665, 56.8603, 82.1241** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.1885, 84.4824, 66.4054**, and the grayscale version is **57.3140, 60.2988, 65.6654**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **37.2628, 28.1200, 43.5081** is the 20% darker color. If you saturate the color by 10%, you get **64.9678, 47.5712, 75.0245**, and if you desaturate by 10%, it is **76.9496, 68.0397, 89.7936**.

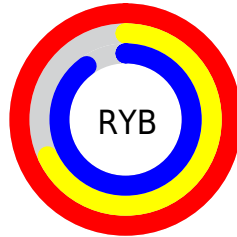
# Distribution



Red (100%)

Green (68%)

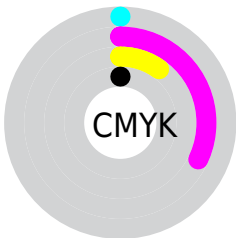
Blue (90%)



Red (100%)

Yellow (68%)

Blue (90%)

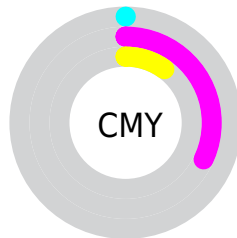


Cyan (0%)

Magenta (32%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4665, 56.8603, 82.1241 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 70.4665, 56.8603, 82.1241 by changing the saturation by 10% instead.





 70.4665, 56.8603,  
82.1241

 70.4665, 56.8603,  
82.1241


451.4272,  
412.9256, 521.9570

 52.1879, 40.8931,  
60.9314


 118.8964,  
100.2613, 138.1863

 37.3797, 28.2356,  
43.7396


149.7785,  
128.4639, 173.8928

 25.6767, 18.5033,  
30.1302


185.5924,  
161.5138, 215.2744

 16.7133, 11.3119,  
19.6845

226.7035,  
199.7953, 262.7496

 10.1243, 6.2771,  
11.9841

273.4772,  
243.6928, 316.7369

 5.5444, 3.0143,  
6.6105


326.2788,


 2.6081, 1.1392,


293.5908, 377.6549


3.1450


385.4737,  
349.8736, 445.9221


 0.9501, 0.0112,  
1.1691


 0.0000, 0.0000,  
0.0000


 70.4665, 56.8603,  
82.1241


 70.4665, 56.8603,  
82.1241


 64.9678, 47.5712,  
75.0245


 76.9496, 68.0397,  
89.7936

 60.3957, 40.0587,  
68.4702

 84.4629, 81.2008,  
98.0490

 56.6922, 34.2076,  
62.4395

 93.0537, 96.4372,  
106.9099

 53.7911, 29.8862,  
56.9071

95.0500, 100.0000,  
108.9000

■ 51.6159, 26.9428,  
51.8442

■ 50.0743, 25.1942,  
47.2166

■ 49.2011, 24.4445,  
43.8528

# Harmonies

## Analogous

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



64.4284, 56.8603, 107.2818



70.4665, 56.8603, 82.1241



71.9006, 56.8603, 56.4923

# Triad

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



70.4665, 56.8603, 82.1241



52.1172, 56.8603, 26.1614



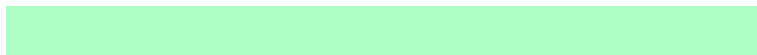
42.0221, 56.8603, 94.3653

# Complementary

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



70.4665, 56.8603, 82.1241



63.1885, 84.4824, 66.4054

# 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.



39.4195, 56.8603, 67.6660



70.4665, 56.8603, 82.1241



44.8401, 56.8603, 31.5658

# Square

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



70.4665, 56.8603, 82.1241



60.7048, 56.8603, 28.1338



40.3945, 56.8603, 45.3210



47.8892, 56.8603, 115.5429



# Rectangle

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



70.4665, 56.8603, 82.1241



69.9312, 56.8603, 43.1146



40.3945, 56.8603, 45.3210



40.7660, 56.8603, 85.5035

# Sweetspot

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



70.4678, 56.8627, 82.1253



86.2212, 84.3051, 99.9063



56.1792, 49.0615, 101.1166



18.2082, 17.6090, 21.1241



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.



70.4678, 56.8627, 82.1253



66.5999, 50.3049, 77.2044



65.4140, 54.8412, 55.5125



18.5430, 18.2005, 21.4763



25.7783, 12.8006, 23.2808



2.5587, 1.2658, 2.5234



# Inverse Universe

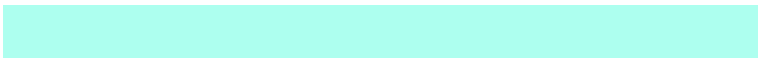
The Inverse Universe completely reimagines the original color for something new.



70.4678, 56.8627, 82.1253



66.5999, 50.3049, 77.2044



68.5160, 86.6134, 94.4597



18.5430, 18.2005, 21.4763



25.7783, 12.8006, 23.2808



2.5587, 1.2658, 2.5234



# Previews

## White Background



This preview shows how the XYZ color 70.4665, 56.8603, 82.1241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

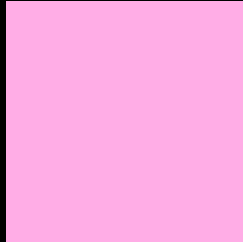
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.4665, 56.8603, 82.1241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

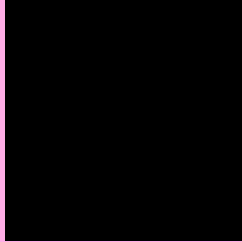
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.4665, 56.8603, 82.1241**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.4665, 56.8603, 82.1241.



This preview shows how white text looks on a background with the XYZ color 70.4665, 56.8603,



# 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

70.4665, 56.8603, 82.1241

### Protanopia

57.0943, 57.1511, 95.2109

### Deuteranopia

58.4729, 57.1964, 79.9097



## Tritanopia

65.8425, 57.0468, 58.5798

# Trichromacy



## Original Color

70.4665, 56.8603, 82.1241



## Protanomaly

60.8628, 56.2548, 90.0885



## Deuteranomaly

62.1645, 56.5112, 80.3044



## Tritanomaly

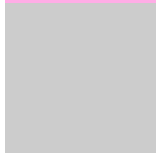
67.1295, 56.6447, 66.4269

# Monochromacy



## Original Color

70.4665, 56.8603, 82.1241



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

61.5116, 58.6320, 71.0259

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.4665, 56.8603, 82.1241 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, 173, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 230)  
}
```

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, 173, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 70.4665, 56.8603, 82.1241 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, 173, 230) }
```



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

```
.border{ border-color:rgb(255, 173, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.4665, 56.8603, 82.1241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 230) }
```

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

```
.background{ background-color: rgb(255,  
173, 230) }
```

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