

Converting Colors

XYZ(91.7204, 68.7737, 71.8321)

Have a look what the booklet for
XYZ(91.7204, 68.7737, 71.8321)
contains.

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Color

**XYZ(68.7076, 56.7750,
70.9557)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAFD6
RGB	255, 175, 214
RGB Percent	100%, 69%, 84%
CMY	0.0000, 0.3137, 0.1608
CMYK	0.00, 0.31, 0.16, 0.00
HSL	331°, 100%, 84%
HSV	331°, 31%, 100%
XYZ	68.7076, 56.7750, 70.9557
YIQ	203.3660, 35.1610, 29.0890

Conversions

Conversions Part 2

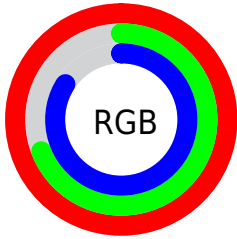
Format	Color
R_{YB}	255, 175, 214
Decimal	16756694
CIE _{Lab}	80.05, 34.72, -7.79
CIE _{LCh}	80, 35.579, 347.357
Yxy	56.7750, 0.3498, 0.2890
Android (android.graphics.Color)	4294946774 (0xFFFFAFD6)
YUV	203.3660, 5.2426, 45.2830
Hunter-Lab	75.3492, 30.9052, -3.0885

Details

The XYZ color **68.7076, 56.7750, 70.9557** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.8359, 85.5928, 78.0203**, and the grayscale version is **56.9486, 59.9144, 65.2468**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **36.1213, 28.0483, 36.3109** is the 20% darker color. If you saturate the color by 10%, you get **62.6023, 47.1292, 61.0136**, and if you desaturate by 10%, it is **75.8866, 68.3534, 81.9179**.

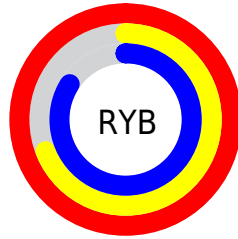
Distribution



Red (100%)

Green (69%)

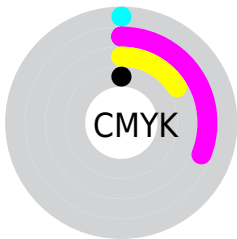
Blue (84%)



Red (100%)

Yellow (69%)

Blue (84%)

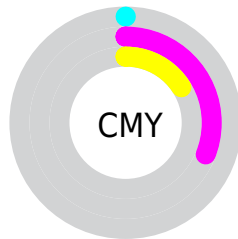


Cyan (0%)

Magenta (31%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7076, 56.7750, 70.9557 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 68.7076, 56.7750, 70.9557 by changing the saturation by 10% instead.


 68.7076, 56.7750,
70.9557

 68.7076, 56.7750,
70.9557


445.3365,
412.6057, 482.7780

 50.7494, 40.8246,
51.8244


 116.4002,
100.1368, 122.2645

 36.2294, 28.1821,
36.4839

146.8653,
128.3170, 155.2791

 24.7824, 18.4630,
24.5155


182.2301,
161.3427, 193.7586

 16.0429, 11.2829,
15.5007

222.8599,
199.5981, 238.1215

 9.6455, 6.2574,
9.0210

269.1201,
243.4677, 288.7864

 5.2250, 3.0022,
4.6579

321.3760,

 2.4160, 1.1329,

293.3359, 346.1717

1.9928

379.9931,
349.5871, 410.6961

■ 0.8531, 0.0059,
0.5508

■ 0.0000, 0.0000,
0.0000

■ 68.7076, 56.7750,
70.9557

■ 68.7076, 56.7750,
70.9557

■ 62.6023, 47.1292,
61.0136

■ 75.8866, 68.3534,
81.9179

■ 57.5107, 39.3018,
52.0540

■ 84.1870, 81.9557,
93.9290

■ 53.3727, 33.1774,
44.0417

■ 93.6585, 97.6762,
107.0205

■ 50.1200, 28.6247,
36.9372

■ 95.0500, 100.0000,
108.9000

■ 47.6741, 25.4926,
30.6970

■ 45.9415, 23.5998,
25.2719

■ 44.8975, 22.7230,
21.1900

Harmonies

Analogous

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



64.8569, 56.7750, 92.9279



68.7076, 56.7750, 70.9557



68.3603, 56.7750, 50.6780

Triad

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



68.7076, 56.7750, 70.9557



49.9182, 56.7750, 31.0547



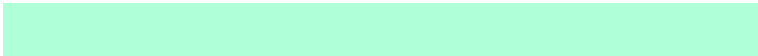
45.0765, 56.7750, 96.0016

Complementary

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



68.7076, 56.7750, 70.9557



65.8359, 85.5928, 78.0203

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.



41.7438, 56.7750, 74.4822



68.7076, 56.7750, 70.9557



44.3628, 56.7750, 38.5651

Square

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



68.7076, 56.7750, 70.9557



57.0656, 56.7750, 30.5219



41.4948, 56.7750, 53.5011



50.9748, 56.7750, 109.4141

Rectangle

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



68.7076, 56.7750, 70.9557



65.7937, 56.7750, 40.6573



41.4948, 56.7750, 53.5011



43.6429, 56.7750, 89.2823

Sweetspot

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



68.7089, 56.7774, 70.9568



86.3243, 85.4868, 96.9330



61.4064, 52.3299, 101.4720



18.1944, 17.8307, 20.3514



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.



68.7089, 56.7774, 70.9568



64.5440, 50.1719, 64.2529



64.3096, 55.0177, 47.7906



18.3784, 18.1347, 20.6097



23.5348, 11.9032, 11.4664



2.3465, 1.1810, 1.4059

Inverse Universe

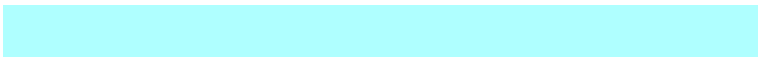
The Inverse Universe completely reimagines the original color for something new.



68.7089, 56.7774, 70.9568



64.5440, 50.1719, 64.2529



71.4906, 87.8547, 107.7974



18.3784, 18.1347, 20.6097



23.5348, 11.9032, 11.4664



2.3465, 1.1810, 1.4059

Previews

White Background



This preview shows how the XYZ color 68.7076, 56.7750, 70.9557 looks on a white background.

Color Contrast Check

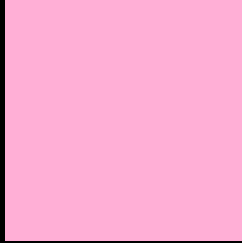
Large Text (above 18pt) WCAG AA × Fail

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 68.7076, 56.7750, 70.9557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

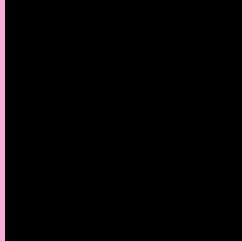
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7076, 56.7750, 70.9557

Background



This preview shows how black text looks on a background with the XYZ color 68.7076, 56.7750, 70.9557.



This preview shows how white text looks on a background with the XYZ color 68.7076, 56.7750,

70.9557.

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

68.7076, 56.7750, 70.9557

Protanopia

56.2180, 57.0033, 81.4385

Deuteranopia

58.2684, 56.9892, 69.5570



Tritanopia

65.7794, 56.7414, 57.3544

Trichromacy



Original Color

68.7076, 56.7750, 70.9557



Protanomaly

59.8358, 56.3218, 77.5296



Deuteranomaly

61.4375, 56.3653, 69.9288



Tritanomaly

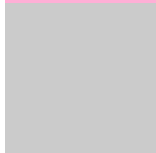
66.8537, 56.8936, 62.1016

Monochromacy



Original Color

68.7076, 56.7750, 70.9557



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.4567, 58.1745, 67.0739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7076, 56.7750, 70.9557 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, 175, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 214)  
}
```

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, 175, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 214) }
```

Border

The CSS property to change the border of an element to XYZ 68.7076, 56.7750, 70.9557 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, 175, 214) }
```


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

```
.border{ border-color:rgb(255, 175, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7076, 56.7750, 70.9557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 214) }
```

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

```
.background{ background-color: rgb(255,  
175, 214) }
```

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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