

Converting Colors

XYZ(90.0694, 66.8217, 73.5782)

Have a look what the booklet for
XYZ(90.0694, 66.8217, 73.5782)
contains.

XYZ(68.5169, 55.7748, 72.8000)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.5169, 55.7748,
72.8000)**

Conversions

Conversions Part 1

Format	Color
Hex	FFACD9
RGB	255, 172, 217
RGB Percent	100%, 67%, 85%
CMY	0.0000, 0.3255, 0.1490
CMYK	0.00, 0.33, 0.15, 0.00
HSL	327°, 100%, 84%
HSV	327°, 33%, 100%
XYZ	68.5169, 55.7748, 72.8000
YIQ	201.9470, 35.0230, 31.5910

Conversions

Conversions Part 2

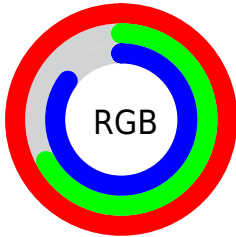
Format	Color
R _Y B	255, 172, 217
Decimal	16755929
CIE Lab	79.49, 36.75, -10.26
CIE LCh	79, 38.151, 344.406
Yxy	55.7748, 0.3476, 0.2830
Android (android.graphics.Color)	4294946009 (0xFFFFACD9)
YUV	201.9470, 7.4211, 46.5275
Hunter-Lab	74.6825, 33.0690, -5.5177

Details

The XYZ color **68.5169, 55.7748, 72.8000** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.4081, 84.9448, 73.9774**, and the grayscale version is **56.0472, 58.9660, 64.2139**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **36.0260, 27.4358, 37.5793** is the 20% darker color. If you saturate the color by 10%, you get **62.6559, 46.3977, 63.6173**, and if you desaturate by 10%, it is **75.4191, 67.0618, 82.8612**.

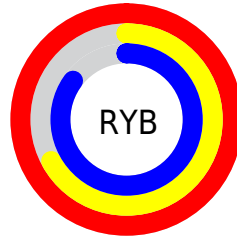
Distribution



Red (100%)

Green (67%)

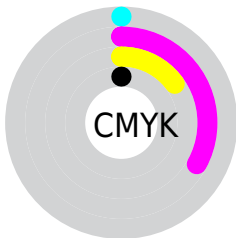
Blue (85%)



Red (100%)

Yellow (67%)

Blue (85%)

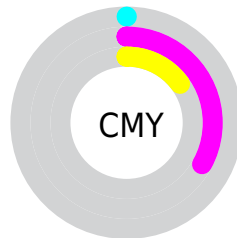


Cyan (0%)

Magenta (33%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5169, 55.7748, 72.8000 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 68.5169, 55.7748, 72.8000 by changing the saturation by 10% instead.


 68.5169, 55.7748,
72.8000

 68.5169, 55.7748,
72.8000


444.6733,
408.8423, 489.3735

 50.5936, 40.0224,
53.3216

 116.1292, 98.6752,
124.9115

 36.1050, 27.5560,
37.6701


146.5488,
126.5921, 158.3817

 24.6858, 17.9912,
25.4269


181.8646,
159.3325, 197.3530

 15.9706, 10.9437,
16.1735

222.4419,
197.2809, 242.2438

 9.5941, 6.0290,
9.4913

268.6461,
240.8217, 293.4727

 5.1908, 2.8627,
4.9618

320.8425,

 2.3956, 1.0605,

290.3392, 351.4583

2.1665

379.3964,
346.2180, 416.6191

■ 0.8429, 0.0000,
0.6550

■ 0.0000, 0.0000,
0.0000

■ 68.5169, 55.7748,
72.8000

■ 68.5169, 55.7748,
72.8000

■ 62.6559, 46.3977,
63.6173

■ 75.4191, 67.0618,
82.8612

■ 57.7765, 38.8156,
55.2804

■ 83.4098, 80.3508,
93.8252

■ 53.8189, 32.9123,
47.7587

■ 92.5382, 95.7365,
105.7194

■ 50.7147, 28.5547,
41.0179

95.0500, 100.0000,
108.9000

■ 48.3851, 25.5895,
35.0195

■ 46.7355, 23.8310,
29.7196

■ 45.8454, 23.1022,
26.1817

Harmonies

Analogous

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



64.0113, 55.7748, 96.1593



68.5169, 55.7748, 72.8000



68.6107, 55.7748, 50.8192

Triad

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



68.5169, 55.7748, 72.8000



49.4285, 55.7748, 28.3289



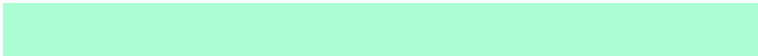
43.1628, 55.7748, 95.3214

Complementary

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



68.5169, 55.7748, 72.8000



64.4081, 84.9448, 73.9774

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.



39.9776, 55.7748, 71.8506



68.5169, 55.7748, 72.8000



43.3514, 55.7748, 35.2857

Square

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



68.5169, 55.7748, 72.8000



57.0746, 55.7748, 28.4653



40.0431, 55.7748, 50.0725



49.1474, 55.7748, 111.1467

Rectangle

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



68.5169, 55.7748, 72.8000



66.1289, 55.7748, 39.8604



40.0431, 55.7748, 50.0725



41.7560, 55.7748, 87.8459

Sweetspot

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



68.5182, 55.7772, 72.8011



85.6246, 84.0664, 96.7649



59.1983, 50.3343, 101.2031



18.0636, 17.5512, 20.3628



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.



68.5182, 55.7772, 72.8011



64.6196, 49.5128, 66.7760



63.8456, 53.9082, 48.1955



18.4213, 18.1518, 20.8356



24.0315, 12.1019, 14.0824



2.3950, 1.2004, 1.6617

Inverse Universe

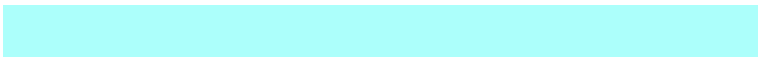
The Inverse Universe completely reimagines the original color for something new.



68.5182, 55.7772, 72.8011



64.6196, 49.5128, 66.7760



70.1636, 87.2470, 104.2855



18.4213, 18.1518, 20.8356



24.0315, 12.1019, 14.0824



2.3950, 1.2004, 1.6617

Previews

White Background



This preview shows how the XYZ color 68.5169, 55.7748, 72.8000 looks on a white background.

Color Contrast Check

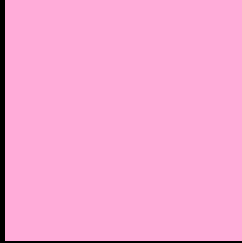
Large Text (above 18pt) WCAG AA × Fail

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 68.5169, 55.7748, 72.8000 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 68.5169, 55.7748, 72.8000

Background



This preview shows how black text looks on a background with the XYZ color 68.5169, 55.7748, 72.8000.



This preview shows how white text looks on a background with the XYZ color 68.5169, 55.7748,

72.8000.

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

68.5169, 55.7748, 72.8000

Protanopia

55.5406, 56.2532, 84.2746

Deuteranopia

57.1544, 56.0587, 70.7588



Tritanopia

65.1613, 55.8574, 56.0624

Trichromacy



Original Color

68.5169, 55.7748, 72.8000



Protanomaly

59.3670, 55.3828, 80.2340



Deuteranomaly

60.8506, 55.7217, 71.1665



Tritanomaly

66.2633, 55.7127, 61.9048

Monochromacy



Original Color

68.5169, 55.7748, 72.8000



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

59.7121, 57.1387, 66.9132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5169, 55.7748, 72.8000 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, 172, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 217)  
}
```

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, 172, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 217) }
```

Border

The CSS property to change the border of an element to XYZ 68.5169, 55.7748, 72.8000 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, 172, 217) }
```


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

```
.border{ border-color:rgb(255, 172, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 172, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5169, 55.7748, 72.8000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 217) }
```

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

```
.background{ background-color: rgb(255,  
172, 217) }
```

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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