

Converting Colors

XYZ(111.4414, 77.8832,
71.4409)

Have a look what the booklet for
XYZ(111.4414, 77.8832, 71.4409)
contains.

XYZ(67.8762, 55.5185, 69.4260)	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(67.8762, 55.5185,
69.4260)**

Conversions

Conversions Part 1

Format	Color
Hex	FFACD4
RGB	255, 172, 212
RGB Percent	100%, 67%, 83%
CMY	0.0000, 0.3255, 0.1686
CMYK	0.00, 0.33, 0.17, 0.00
HSL	331°, 100%, 84%
HSV	331°, 33%, 100%
XYZ	67.8762, 55.5185, 69.4260
YIQ	201.3770, 36.6280, 30.0360

Conversions

Conversions Part 2

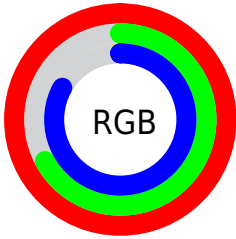
Format	Color
R _{YB}	255, 172, 212
Decimal	16755924
CIE Lab	79.34, 35.98, -7.76
CIE LCh	79, 36.804, 347.823
Yxy	55.5185, 0.3520, 0.2879
Android (android.graphics.Color)	4294946004 (0xFFFFACD4)
YUV	201.3770, 5.2371, 47.0274
Hunter-Lab	74.5107, 32.2123, -3.0864

Details

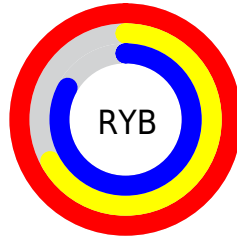
The XYZ color **67.8762, 55.5185, 69.4260** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.0410, 85.1979, 77.3102**, and the grayscale version is **55.7051, 58.6061, 63.8220**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **35.7086, 27.4983, 35.3239** is the 20% darker color. If you saturate the color by 10%, you get **61.8815, 46.0879, 59.5392**, and if you desaturate by 10%, it is **74.9410, 66.8706, 80.3438**.

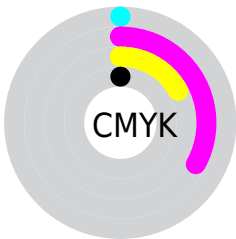
Distribution



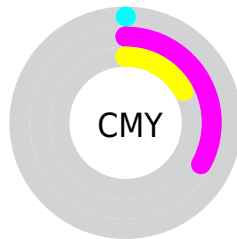
- Red (100%)
- Green (67%)
- Blue (83%)



- Red (100%)
- Yellow (67%)
- Blue (83%)



- Cyan (0%)
- Magenta (33%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8762, 55.5185, 69.4260 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 67.8762, 55.5185, 69.4260 by changing the saturation by 10% instead.

 67.8762, 55.5185,
69.4260

 67.8762, 55.5185,
69.4260

442.4409,
407.8744, 477.2666

 50.0703, 39.8170,
50.5848


 115.2179, 98.3002,
120.0633

 35.6873, 27.3959,
35.5039


145.4845,
126.1492, 152.6964

 24.3618, 17.8708,
23.7646


180.6353,
158.8162, 190.7639

 15.7284, 10.8572,
14.9485

221.0357,
196.6856, 234.6844

 9.4218, 5.9709,
8.6370

267.0511,
240.1417, 284.8764

 5.0766, 2.8274,
4.4116


319.0469,

 2.3275, 1.0423,


289.5689, 341.7584


1.8538


377.3884,
345.3517, 405.7489


 0.8087, 0.0000,
0.4631


 0.0000, 0.0000,
0.0000


 67.8762, 55.5185,
69.4260


 67.8762, 55.5185,
69.4260


 61.8815, 46.0879,
59.5392


 74.9410, 66.8706,
80.3438

 56.8962, 38.4635,
50.6450

 83.1243, 80.2366,
92.3220

 52.8596, 32.5286,
42.7072

 92.4762, 95.7116,
105.3931

 49.7020, 28.1497,
35.6853

95.0500, 100.0000,
108.9000

■ 47.3436, 25.1729,
29.5347

■ 45.6881, 23.4120,
24.2043

■ 44.8080, 22.6872,
20.7186

Harmonies

Analogous

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



63.9882, 55.5185, 92.0169



67.8762, 55.5185, 69.4260



67.4496, 55.5185, 48.8545

Triad

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



67.8762, 55.5185, 69.4260



48.5471, 55.5185, 29.4487



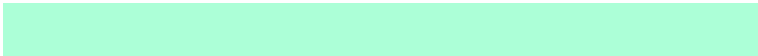
43.8102, 55.5185, 95.8099

Complementary

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



67.8762, 55.5185, 69.4260



65.0410, 85.1979, 77.3102

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.



40.3893, 55.5185, 73.7493



67.8762, 55.5185, 69.4260



42.9438, 55.5185, 37.0805

Square

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



67.8762, 55.5185, 69.4260



55.8161, 55.5185, 28.8125



40.0877, 55.5185, 52.2834



49.8342, 55.5185, 109.4615

Rectangle

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



67.8762, 55.5185, 69.4260



64.7789, 55.5185, 38.8130



40.0877, 55.5185, 52.2834



42.3430, 55.5185, 88.9248

Sweetspot

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



67.8775, 55.5209, 69.4271



85.3931, 83.9738, 95.5458



60.7946, 51.1573, 101.2779



18.0076, 17.5288, 20.0680



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.



67.8775, 55.5209, 69.4271



63.8893, 49.2207, 62.9305



63.7053, 54.2755, 46.1514



18.3740, 18.1329, 20.5868



23.4877, 11.8844, 11.2188



2.3418, 1.1791, 1.3813

Inverse Universe

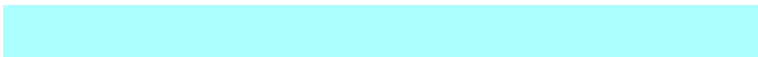
The Inverse Universe completely reimagines the original color for something new.



67.8775, 55.5209, 69.4271



63.8893, 49.2207, 62.9305



70.3849, 86.6320, 107.6197



18.3740, 18.1329, 20.5868



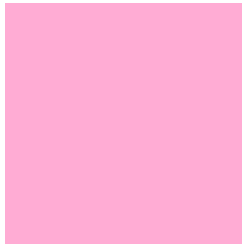
23.4877, 11.8844, 11.2188



2.3418, 1.1791, 1.3813

Previews

White Background



This preview shows how the XYZ color 67.8762, 55.5185, 69.4260 looks on a white background.

Color Contrast Check

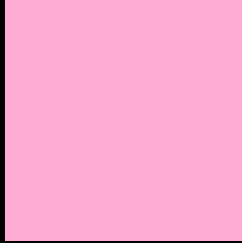
Large Text (above 18pt) WCAG AA × Fail

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 67.8762, 55.5185, 69.4260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

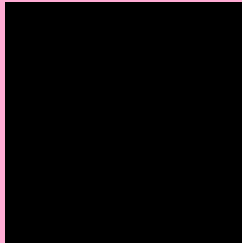
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8762, 55.5185, 69.4260

Background



This preview shows how black text looks on a background with the XYZ color 67.8762, 55.5185, 69.4260.



This preview shows how white text looks on a background with the XYZ color 67.8762, 55.5185,

69.4260.

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

67.8762, 55.5185, 69.4260

Protanopia

54.8661, 55.6526, 80.5233

Deuteranopia

57.0034, 55.7139, 68.0711



Tritanopia

64.8555, 55.4202, 55.4230

Trichromacy



Original Color

67.8762, 55.5185, 69.4260



Protanomaly

58.6867, 55.1107, 76.6515



Deuteranomaly

60.4519, 55.2650, 68.4538



Tritanomaly

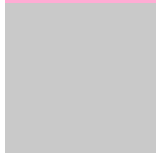
65.9160, 55.5738, 60.0760

Monochromacy



Original Color

67.8762, 55.5185, 69.4260



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

59.2517, 56.6068, 65.5609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8762, 55.5185, 69.4260 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 212) }
```

Border

The CSS property to change the border of an element to XYZ 67.8762, 55.5185, 69.4260 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, 212) }
```


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

```
.border{ border-color:rgb(255, 172, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8762, 55.5185, 69.4260 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
172, 212) }
```

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