

Converting Colors

XYZ(70.3341, 55.9004, 84.2228)

Have a look what the booklet for XYZ(70.3341, 55.9004, 84.2228) contains.

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Color

**XYZ(70.3227, 55.8926,
84.1727)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAAE9
RGB	255, 170, 233
RGB Percent	100%, 67%, 91%
CMY	0.0000, 0.3333, 0.0863
CMYK	0.00, 0.33, 0.09, 0.00
HSL	316°, 100%, 83%
HSV	316°, 33%, 100%
XYZ	70.3227, 55.8926, 84.1727
YIQ	202.5970, 30.4370, 37.6130

Conversions

Conversions Part 2

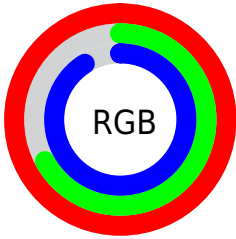
Format	Color
R _Y B	255, 170, 233
Decimal	16755433
CIE Lab	79.55, 40.36, -18.81
CIE LCh	80, 44.529, 335.013
Yxy	55.8926, 0.3343, 0.2657
Android (android.graphics.Color)	4294945513 (0xFFFFAAE9)
YUV	202.5970, 14.9887, 45.9574
Hunter-Lab	74.7614, 37.0699, -14.4208

Details

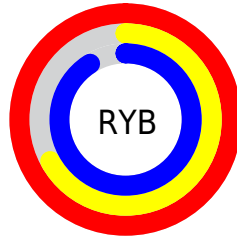
The XYZ color **70.3227, 55.8926, 84.1727** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.8538, 83.8727, 62.8010**, and the grayscale version is **56.4091, 59.3468, 64.6286**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **37.2072, 27.5354, 44.9488** is the 20% darker color. If you saturate the color by 10%, you get **65.0726, 46.8731, 77.8579**, and if you desaturate by 10%, it is **76.5376, 66.7849, 90.9846**.

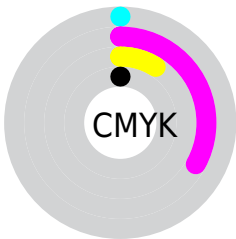
Distribution



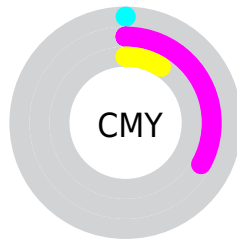
- Red (100%)
- Green (67%)
- Blue (91%)



- Red (100%)
- Yellow (67%)
- Blue (91%)



- Cyan (0%)
- Magenta (33%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (33%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3227, 55.8926, 84.1727 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 70.3227, 55.8926, 84.1727 by changing the saturation by 10% instead.

 70.3227, 55.8926,
84.1727

 70.3227, 55.8926,
84.1727

450.9310,
409.2866, 528.9596

 52.0702, 40.1168,
62.6118

 118.6926, 98.8475,
141.0806

 37.2855, 27.6296,
45.0883

149.5407,
126.7955, 177.2647

 25.6033, 18.0467,
31.1835


185.3181,
159.5696, 219.1603

 16.6582, 10.9835,
20.4790

226.3900,
197.5543, 267.1860

 10.0849, 6.0557,
12.5562

273.1219,
241.1339, 321.7602

 5.5180, 2.8790,
6.9965

325.8792,

 2.5921, 1.0689,

290.6929, 383.3015

3.3815

385.0271,
346.6157, 452.2284

■ 0.9419, 0.0000,
1.2926

■ 0.0000, 0.0000,
0.0557

■ 70.3227, 55.8926,
84.1727

■ 70.3227, 55.8926,
84.1727

■ 65.0726, 46.8731,
77.8579

■ 76.5376, 66.7849,
90.9846

■ 60.7294, 39.6118,
72.0169

■ 83.7635, 79.6422,
98.3085

■ 57.2346, 33.9921,
66.6288

■ 92.0478, 94.5589,
106.1630

■ 54.5211, 29.8804,
61.6695

95.0500, 100.0000,
108.9000

■ 52.5114, 27.1222,
57.1111

■ 51.1109, 25.5292,
52.9201

■ 50.4251, 24.9341,
50.2982

Harmonies

Analogous

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



63.6366, 55.8926, 110.8812



70.3227, 55.8926, 84.1727



72.2040, 55.8926, 56.6463

Triad

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



70.3227, 55.8926, 84.1727



51.6327, 55.8926, 23.7472



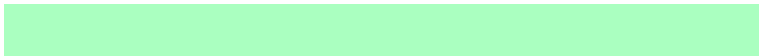
40.2247, 55.8926, 93.7893

Complementary

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



70.3227, 55.8926, 84.1727



61.8538, 83.8727, 62.8010

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.



37.7418, 55.8926, 65.2725



70.3227, 55.8926, 84.1727



43.8385, 55.8926, 28.7280

Square

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



70.3227, 55.8926, 84.1727



60.7401, 55.8926, 26.1921



38.9868, 55.8926, 42.3021



46.1732, 55.8926, 117.4392

Rectangle

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



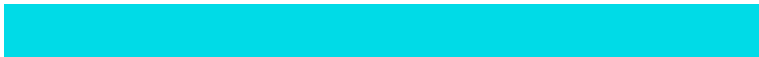
70.3227, 55.8926, 84.1727



70.3186, 55.8926, 42.2859



38.9868, 55.8926, 42.3021



38.9895, 55.8926, 84.1984

Sweetspot

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



70.3239, 55.8949, 84.1738



86.4033, 84.3779, 100.8651



53.9757, 47.0810, 100.8505



18.2524, 17.6267, 21.3569



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.



70.3239, 55.8949, 84.1738



66.7182, 49.6773, 79.9080



65.0478, 53.7844, 56.3902



18.5801, 18.2153, 21.6718



26.4124, 13.0543, 26.6200



2.6163, 1.2889, 2.8267

Inverse Universe

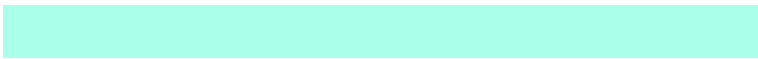
The Inverse Universe completely reimagines the original color for something new.



70.3239, 55.8949, 84.1738



66.7182, 49.6773, 79.9080



67.1544, 85.9929, 90.7137



18.5801, 18.2153, 21.6718



26.4124, 13.0543, 26.6200



2.6163, 1.2889, 2.8267

Previews

White Background



This preview shows how the XYZ color 70.3227, 55.8926, 84.1727 looks on a white background.

Color Contrast Check

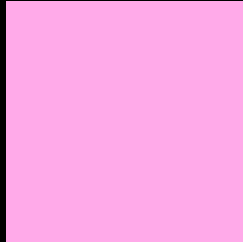
Large Text (above 18pt) WCAG AA × Fail

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 70.3227, 55.8926, 84.1727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

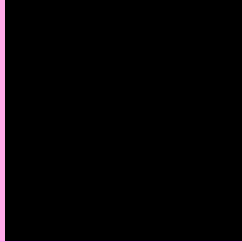
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3227, 55.8926, 84.1727

Background



This preview shows how black text looks on a background with the XYZ color 70.3227, 55.8926, 84.1727.



This preview shows how white text looks on a background with the XYZ color 70.3227, 55.8926,

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

70.3227, 55.8926, 84.1727

Protanopia

56.6949, 56.1856, 99.1236

Deuteranopia

57.5699, 56.3536, 81.9718



Tritanopia

64.7487, 55.9264, 56.6725

Trichromacy



Original Color

70.3227, 55.8926, 84.1727



Protanomaly

60.4664, 55.3511, 93.0849



Deuteranomaly

61.4507, 55.7832, 82.3914



Tritanomaly

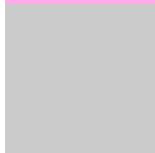
66.6154, 55.8116, 65.6542

Monochromacy



Original Color

70.3227, 55.8926, 84.1727



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.8926, 57.6462, 71.5358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3227, 55.8926, 84.1727 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, 170, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 233)  
}
```

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, 170, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 233) }
```

Border

The CSS property to change the border of an element to XYZ 70.3227, 55.8926, 84.1727 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, 170, 233) }
```


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

```
.border{ border-color:rgb(255, 170, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3227, 55.8926, 84.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 233) }
```

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

```
.background{ background-color: rgb(255,  
170, 233) }
```

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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