

Converting Colors

XYZ(70.3906, 56.2259, 83.5864)

Have a look what the booklet for
XYZ(70.3906, 56.2259, 83.5864)
contains.

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Color

**XYZ(70.3684, 56.2120,
83.4851)**

Conversions

Conversions Part 1

Format	Color
Hex	FFABE8
RGB	255, 171, 232
RGB Percent	100%, 67%, 91%
CMY	0.0000, 0.3294, 0.0902
CMYK	0.00, 0.33, 0.09, 0.00
HSL	316°, 100%, 84%
HSV	316°, 33%, 100%
XYZ	70.3684, 56.2120, 83.4851
YIQ	203.0700, 30.4830, 36.7790

Conversions

Conversions Part 2

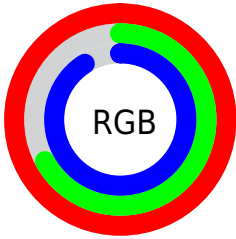
Format	Color
R _Y B	255, 171, 232
Decimal	16755688
CIE Lab	79.73, 39.68, -17.99
CIE LCh	80, 43.566, 335.604
Yxy	56.2120, 0.3350, 0.2676
Android (android.graphics.Color)	4294945768 (0xFFFFABE8)
YUV	203.0700, 14.2625, 45.5426
Hunter-Lab	74.9747, 36.3277, -13.5378

Details

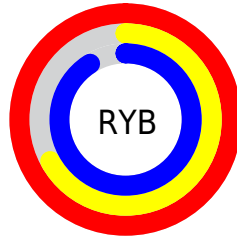
The XYZ color **70.3684, 56.2120, 83.4851** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.2940, 84.0739, 63.9865**, and the grayscale version is **56.7098, 59.6631, 64.9732**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **37.2237, 27.7275, 44.4643** is the 20% darker color. If you saturate the color by 10%, you get **65.0360, 47.1030, 76.9115**, and if you desaturate by 10%, it is **76.6718, 67.1995, 90.5782**.

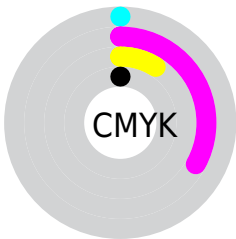
Distribution



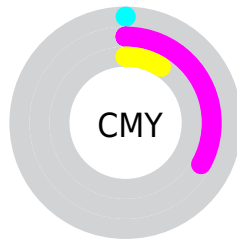
- Red (100%)
- Green (67%)
- Blue (91%)



- 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 70.3684, 56.2120, 83.4851 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 70.3684, 56.2120, 83.4851 by changing the saturation by 10% instead.


 70.3684, 56.2120,
83.4851

 70.3684, 56.2120,
83.4851


451.0887,
410.4900, 526.6151

 52.1076, 40.3729,
62.0475


 118.7574, 99.3145,
140.1100

 37.3155, 27.8294,
44.6350


149.6163,
127.3467, 176.1343

 25.6266, 18.1971,
30.8292


185.4052,
160.2120, 217.8580

 16.6757, 11.0916,
20.2114

226.4897,
198.2949, 265.6995

 10.0974, 6.1285,
12.3632

273.2348,
241.9798, 320.0775

 5.5264, 2.9234,
6.8660

326.0062,

 2.5972, 1.0919,

291.6510, 381.4103

3.3013

385.1690,
347.6929, 450.1167

■ 0.9445, 0.0000,
1.2505

■ 0.0000, 0.0000,
0.0207

■ 70.3684, 56.2120,
83.4851

■ 70.3684, 56.2120,
83.4851

■ 65.0360, 47.1030,
76.9115

■ 76.6718, 67.1995,
90.5782

■ 60.6168, 39.7582,
70.8339

■ 83.9921, 80.1574,
98.2062

■ 57.0525, 34.0615,
65.2311

■ 92.3770, 95.1799,
106.3879

■ 54.2762, 29.8800,
60.0786

95.0500, 100.0000,
108.9000

■ 52.2107, 27.0601,
55.3483

■ 50.7624, 25.4152,
51.0067

■ 50.0156, 24.7703,
48.1418

Harmonies

Analogous

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



63.8975, 56.2120, 109.6711



70.3684, 56.2120, 83.4851



72.1008, 56.2120, 56.5940

Triad

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



70.3684, 56.2120, 83.4851



51.7924, 56.2120, 24.5332



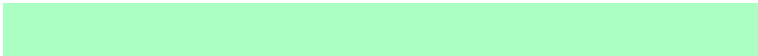
40.8162, 56.2120, 93.9774

Complementary

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



70.3684, 56.2120, 83.4851



62.2940, 84.0739, 63.9865

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.



38.2940, 56.2120, 66.0605



70.3684, 56.2120, 83.4851



44.1692, 56.2120, 29.6522

Square

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



70.3684, 56.2120, 83.4851



60.7268, 56.2120, 26.8279



39.4508, 56.2120, 43.2903



46.7385, 56.2120, 116.8016

Rectangle

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



70.3684, 56.2120, 83.4851



70.1875, 56.2120, 42.5599



39.4508, 56.2120, 43.2903



39.5740, 56.2120, 84.6283

Sweetspot

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



70.3697, 56.2143, 83.4862



86.3439, 84.3541, 100.5525



54.7096, 47.7387, 100.9387



18.2380, 17.6209, 21.2809



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.



70.3697, 56.2143, 83.4862



66.5061, 49.5924, 78.7912



65.1645, 54.1323, 56.0764



18.5680, 18.2105, 21.6081



26.2004, 12.9695, 25.5036



2.5971, 1.2812, 2.7257

Inverse Universe

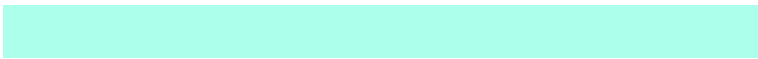
The Inverse Universe completely reimagines the original color for something new.



70.3697, 56.2143, 83.4862



66.5061, 49.5924, 78.7912



67.6093, 86.2000, 91.9765



18.5680, 18.2105, 21.6081



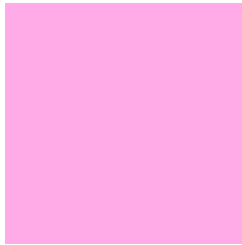
26.2004, 12.9695, 25.5036



2.5971, 1.2812, 2.7257

Previews

White Background



This preview shows how the XYZ color 70.3684, 56.2120, 83.4851 looks on a white background.

Color Contrast Check

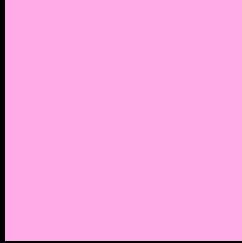
Large Text (above 18pt) WCAG AA × Fail

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 70.3684, 56.2120, 83.4851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

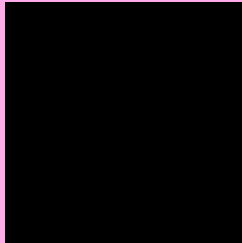
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3684, 56.2120, 83.4851

Background



This preview shows how black text looks on a background with the XYZ color 70.3684, 56.2120, 83.4851.



This preview shows how white text looks on a background with the XYZ color 70.3684, 56.2120,

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

70.3684, 56.2120, 83.4851

Protanopia

56.8464, 56.6337, 97.5578

Deuteranopia

57.7022, 56.4379, 81.2512



Tritanopia

64.8592, 55.9706, 57.2541

Trichromacy



Original Color

70.3684, 56.2120, 83.4851



Protanomaly

60.5263, 55.7134, 92.3577



Deuteranomaly

61.6160, 55.8847, 81.6680



Tritanomaly

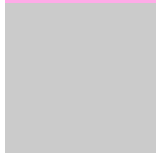
66.7373, 55.8604, 66.2962

Monochromacy



Original Color

70.3684, 56.2120, 83.4851



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 70.3684, 56.2120, 83.4851 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, 171, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 232)  
}
```

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, 171, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.3684, 56.2120, 83.4851 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, 171, 232) }
```


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

```
.border{ border-color:rgb(255, 171, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3684, 56.2120, 83.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 232) }
```

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

```
.background{ background-color: rgb(255,  
171, 232) }
```

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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