

Converting Colors

XYZ(79.6627, 60.0164,
149.2648)

Have a look what the booklet for
XYZ(79.6627, 60.0164, 149.2648)
contains.

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Color

**XYZ(70.6498, 56.5196,
101.7935)**

Conversions

Conversions Part 1

Format	Color
Hex	F5ADFF
RGB	245, 173, 255
RGB Percent	96%, 68%, 100%
CMY	0.0392, 0.3215, 0.0000
CMYK	0.04, 0.32, 0.00, 0.00
HSL	293°, 100%, 84%
HSV	293°, 32%, 100%
XYZ	70.6498, 56.5196, 101.7935
YIQ	203.8760, 16.5900, 40.7660

Conversions

Conversions Part 2

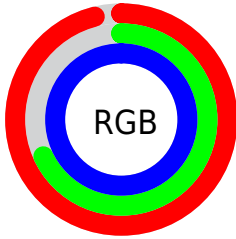
Format	Color
R_{YB}	245, 173, 255
Decimal	16100863
CIE _{Lab}	79.91, 39.53, -30.20
CIE _{LCh}	80, 49.745, 322.617
Yxy	56.5196, 0.3086, 0.2469
Android (android.graphics.Color)	4294290943 (0xFFF5ADFF)
YUV	203.8760, 25.2041, 36.0657
Hunter-Lab	75.1795, 36.1809, -27.6533

Details

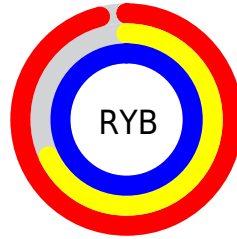
The XYZ color **70.6498, 56.5196, 101.7935** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **62.8325, 84.6050, 52.5566**, and the grayscale version is **57.1563, 60.1329, 65.4847**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **37.5289, 27.9622, 56.8453** is the 20% darker color. If you saturate the color by 10%, you get **65.1436, 47.1032, 100.2661**, and if you desaturate by 10%, it is **77.1107, 67.8163, 103.6334**.

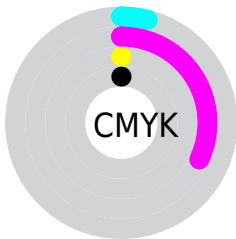
Distribution



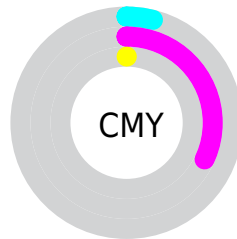
- Red (96%)
- Green (68%)
- Blue (100%)



- Red (96%)
- Yellow (68%)
- Blue (100%)



- Cyan (4%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6498, 56.5196, 101.7935 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 70.6498, 56.5196, 101.7935 by changing the saturation by 10% instead.

70.6498, 56.5196,
101.7935

70.6498, 56.5196,
101.7935

452.0592,
411.6467, 587.2233

52.3380, 40.6197,
77.1740

119.1562, 99.7639,
165.6930

37.4999, 28.0220,
56.8833

150.0814,
127.8770, 205.8101

25.7702, 18.3423,
40.5028

185.9419,
160.8300, 251.9301

16.7836, 11.1960,
27.6140

227.1028,
199.0073, 304.4716

10.1747, 6.1988,
17.7984

273.9297,
242.7932, 363.8532

5.5781, 2.9664,
10.6374

326.7878,

2.6285, 1.1142,

292.5721, 430.4933

5.7125

386.0425,
348.7285, 504.8105

■ 0.9605, 0.0000,
2.6051

■ 0.0000, 0.0000,
0.8951

■ 70.6498, 56.5196,
101.7935

■ 70.6498, 56.5196,
101.7935

■ 65.1436, 47.1032,
100.2661

■ 77.1107, 67.8163,
103.6334

■ 60.5337, 39.4534,
99.0325

■ 84.5703, 81.0844,
105.8013

■ 56.7631, 33.4554,
98.0735

■ 93.0760, 96.4173,
108.3125

■ 53.7659, 28.9776,
97.3672

95.0500, 100.0000,
108.9000

■ 51.4664, 25.8686,
96.8883

■ 49.7729, 23.9453,
96.6063

■ 48.7616, 23.0524,
96.4873

Harmonies

Analogous

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



61.5285, 56.5196, 128.3623



70.6498, 56.5196, 101.7935



75.3383, 56.5196, 68.9562

Triad

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



70.6498, 56.5196, 101.7935



56.2508, 56.5196, 21.2595



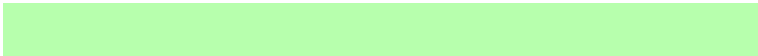
37.7338, 56.5196, 85.4653

Complementary

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



70.6498, 56.5196, 101.7935



62.8325, 84.6050, 52.5566

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.



36.6921, 56.5196, 54.6760



70.6498, 56.5196, 101.7935



46.6021, 56.5196, 23.1914

Square

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



70.6498, 56.5196, 101.7935



66.3752, 56.5196, 27.1176



39.7373, 56.5196, 33.6043



42.7855, 56.5196, 117.0608

Rectangle

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



70.6498, 56.5196, 101.7935



74.9536, 56.5196, 50.1882



39.7373, 56.5196, 33.6043



36.9311, 56.5196, 74.4867

Sweetspot

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



70.6515, 56.5220, 101.7938



86.3132, 84.2108, 106.3129



52.4123, 50.3600, 101.5658



18.2301, 17.5858, 22.6835



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.



70.6515, 56.5220, 101.7938



66.7816, 49.8784, 100.7155



69.7663, 56.5819, 78.4322



18.5618, 18.1814, 22.7810



25.5651, 12.0898, 50.4207



2.5479, 1.2074, 4.9120

Inverse Universe

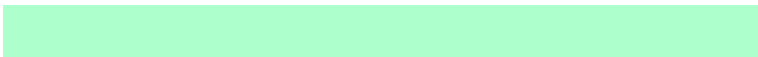
The Inverse Universe completely reimagines the original color for something new.



64.7321, 54.5682, 51.9224



60.0909, 47.7013, 42.9280



63.7826, 84.7200, 69.5345



18.0995, 18.0231, 19.1409



21.7067, 11.1720, 1.8399



2.1407, 1.0987, 0.3225

Previews

White Background



This preview shows how the XYZ color 70.6498, 56.5196, 101.7935 looks on a white background.

Color Contrast Check

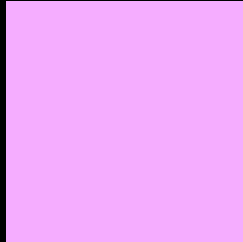
Large Text (above 18pt) WCAG AA × Fail

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 70.6498, 56.5196, 101.7935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

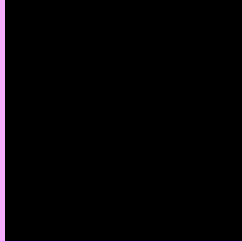
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6498, 56.5196, 101.7935

Background



This preview shows how black text looks on a background with the XYZ color 70.6498, 56.5196, 101.7935.



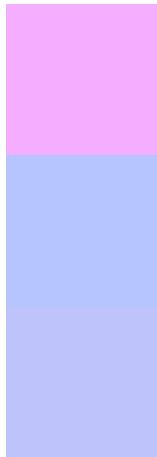
This preview shows how white text looks on a background with the XYZ color 70.6498, 56.5196,

101.7935.

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

70.6498, 56.5196, 101.7935

Protanopia

57.0813, 56.6449, 102.5328

Deuteranopia

58.1629, 56.9424, 99.1923



Tritanopia

62.2586, 56.3627, 61.0238

Trichromacy



Original Color

70.6498, 56.5196, 101.7935



Protanomaly

61.2101, 56.1656, 102.2227



Deuteranomaly

61.9194, 56.2706, 99.6933



Tritanomaly

65.0426, 56.2823, 74.4533

Monochromacy



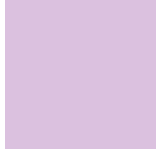
Original Color

70.6498, 56.5196, 101.7935



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

61.6027, 58.5277, 77.8622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6498, 56.5196, 101.7935 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(245, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 173, 255)  
}
```

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(245, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.6498, 56.5196, 101.7935 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(245, 173, 255) }
```


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

```
.border{ border-color:rgb(245, 173, 255) }
```

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

Here you see how a box with a 4 pixel rgb(245, 173, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6498, 56.5196, 101.7935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 173, 255) }
```

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

```
.background{ background-color: rgb(245,  
173, 255) }
```

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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