

# Converting Colors

XYZ(71.3073, 56.3613, 96.2034)

Have a look what the booklet for  
XYZ(71.3073, 56.3613, 96.2034)  
contains.

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# Color

**XYZ(71.2898, 56.4124,  
95.9382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBABF8
RGB	251, 171, 248
RGB Percent	98%, 67%, 97%
CMY	0.0157, 0.3294, 0.0274
CMYK	0.00, 0.32, 0.01, 0.02
HSL	302°, 91%, 83%
HSV	302°, 32%, 98%
XYZ	71.2898, 56.4124, 95.9382
YIQ	203.6980, 22.9630, 40.9070

# Conversions

## Conversions Part 2

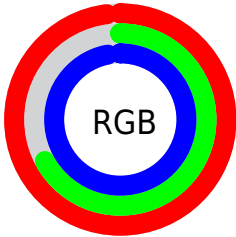
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 171, 248
Decimal	16493560
CIE Lab	79.85, 41.15, -26.48
CIE LCh	80, 48.937, 327.238
Yxy	56.4124, 0.3188, 0.2522
Android (android.graphics.Color)	4294683640 (0xFFFBABF8)
YUV	203.6980, 21.8409, 41.4839
Hunter-Lab	75.1082, 37.9860, -23.1574

# Details

The XYZ color **71.2898, 56.4124, 95.9382** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.9341, 80.7100, 52.5200**, and the grayscale version is **57.0620, 60.0337, 65.3767**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **37.7576, 27.8216, 52.6703** is the 20% darker color. If you saturate the color by 10%, you get **66.8462, 47.7573, 93.7387**, and if you desaturate by 10%, it is **76.6379, 66.8731, 98.4440**.

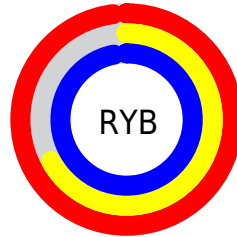
# Distribution



Red (98%)

Green (67%)

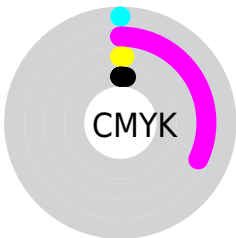
Blue (97%)



Red (98%)

Yellow (67%)

Blue (97%)

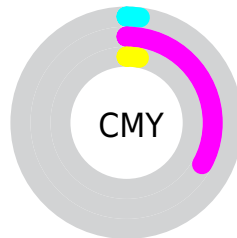


Cyan (0%)

Magenta (32%)

Yellow (1%)

Black (2%)



Cyan (2%)

Magenta (33%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2898, 56.4124, 95.9382 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 71.2898, 56.4124, 95.9382 by changing the saturation by 10% instead.



71.2898, 56.4124,  
95.9382

71.2898, 56.4124,  
95.9382

454.2620,  
411.2438, 568.2251

52.8621, 40.5337,  
72.3149

120.0626, 99.6073,  
157.5668

37.9197, 27.9549,  
52.9275

151.1383,  
127.6922, 196.4093

26.0973, 18.2917,  
37.3576

187.1608,  
160.6147, 241.1618

17.0295, 11.1596,  
25.1865

228.4954,  
198.7591, 292.2430

10.3510, 6.1743,  
15.9958

275.5075,  
242.5098, 350.0713

5.6963, 2.9513,  
9.3669

328.5624,

2.7002, 1.1064,

292.2513, 415.0655

4.8812

388.0254,  
348.3678, 487.6439

■ 0.9973, 0.0000,  
2.1202

■ 0.0000, 0.0000,  
0.6277

■ 71.2898, 56.4124,  
95.9382

■ 71.2898, 56.4124,  
95.9382

■ 66.8462, 47.7573,  
93.7387

■ 76.6379, 66.8731,  
98.4440

■ 63.2506, 40.7981,  
91.8250

■ 82.9322, 79.2262,  
101.2682

■ 60.4486, 35.4249,  
90.1794

■ 90.2182, 93.5615,  
104.4266

■ 58.3772, 31.5119,  
88.7809

■ 93.0779, 99.0430,  
106.1132

■ 56.9640, 28.9139,  
87.6054

■ 93.2273, 99.1027,  
106.9000

■ 56.1215, 27.4562,  
86.6238

■ 93.3774, 99.1628,  
107.6908

■ 55.7492, 26.8955,  
85.9326

■ 93.5284, 99.2232,  
108.4854

■ 93.5941, 99.2495,  
108.8319

# Harmonies

## Analogous

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



62.8201, 56.4124, 123.8360



71.2898, 56.4124, 95.9382



74.9902, 56.4124, 64.0910

# Triad

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



71.2898, 56.4124, 95.9382



54.5418, 56.4124, 21.4511



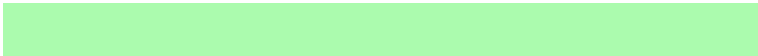
38.3990, 56.4124, 89.9361

# Complementary

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



71.2898, 56.4124, 95.9382



58.9341, 80.7100, 52.5200

# 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.



36.7498, 56.4124, 58.8311



71.2898, 56.4124, 95.9382



45.3621, 56.4124, 24.5595

# Square

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



71.2898, 56.4124, 95.9382



64.6043, 56.4124, 26.0146



39.1388, 56.4124, 36.3732



43.9542, 56.4124, 119.6863



# Rectangle

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



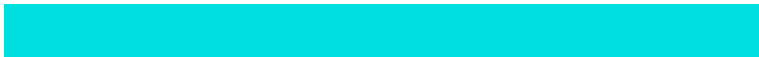
71.2898, 56.4124, 95.9382



73.9524, 56.4124, 46.6306



39.1388, 56.4124, 36.3732



37.4017, 56.4124, 79.0544

# Sweetspot

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



71.2916, 56.4149, 95.9394



87.2942, 84.7343, 105.5570



49.3595, 45.0542, 97.3627



18.4693, 17.7134, 22.4990



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.



71.2916, 56.4149, 95.9394



70.9542, 52.7360, 98.0086



65.7749, 54.2082, 66.8887



17.9633, 17.5127, 21.6623



29.3164, 14.1423, 45.2362



2.7237, 1.3132, 4.2346



# Inverse Universe

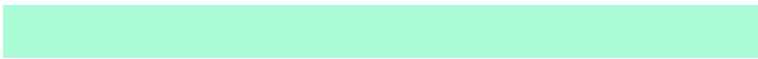
The Inverse Universe completely reimagines the original color for something new.



71.2916, 56.4149, 95.9394



70.9542, 52.7360, 98.0086



63.3890, 82.4920, 75.9793



17.9633, 17.5127, 21.6623



29.3164, 14.1423, 45.2362



2.7237, 1.3132, 4.2346



# Previews

## White Background



This preview shows how the XYZ color 71.2898, 56.4124, 95.9382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

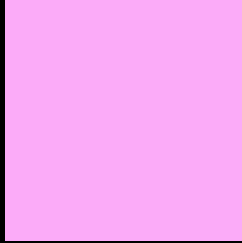
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2898, 56.4124, 95.9382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

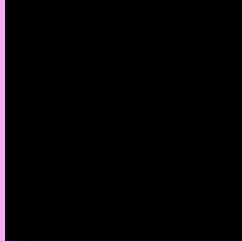
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.2898, 56.4124, 95.9382**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2898, 56.4124, 95.9382.



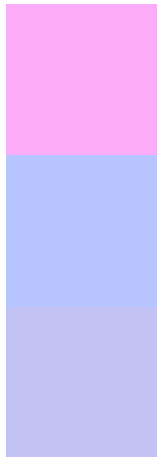
This preview shows how white text looks on a background with the XYZ color 71.2898, 56.4124,

95.9382.

# 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

71.2898, 56.4124, 95.9382

### Protanopia

57.0813, 56.6449, 102.5328

### Deuteranopia

58.1266, 56.7173, 93.4719



## Tritanopia

63.6824, 56.2210, 59.1251

# Trichromacy



## Original Color

71.2898, 56.4124, 95.9382



## Protanomaly

61.0731, 55.8343, 99.6537



## Deuteranomaly

62.0647, 56.1575, 93.9545



## Tritanomaly

66.2175, 56.0735, 70.9515

# Monochromacy



## Original Color

71.2898, 56.4124, 95.9382



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

61.5867, 58.2387, 75.7054

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2898, 56.4124, 95.9382 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(251, 171, 248)` looks like.

```
.text, #text, p{  
    color:rgb(251, 171, 248)  
}
```

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(251, 171, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 171, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2898, 56.4124, 95.9382 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(251, 171, 248) }
```



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

```
.border{ border-color:rgb(251, 171, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 171, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 171, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 171, 248);  
box-shadow:4px 4px 4px 4px rgb(251, 171,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2898, 56.4124, 95.9382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 171, 248) }
```

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

```
.background{ background-color: rgb(251,  
171, 248) }
```

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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