

Converting Colors

XYZ(98.8449, 67.8099,
253.3925)

Have a look what the booklet for
XYZ(98.8449, 67.8099, 253.3925)
contains.

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Color

**XYZ(69.9557, 56.1618,
101.7610)**

Conversions

Conversions Part 1

Format	Color
Hex	F3ADFF
RGB	243, 173, 255
RGB Percent	95%, 68%, 100%
CMY	0.0471, 0.3215, 0.0000
CMYK	0.05, 0.32, 0.00, 0.00
HSL	291°, 100%, 84%
HSV	291°, 32%, 100%
XYZ	69.9557, 56.1618, 101.7610
YIQ	203.2780, 15.3980, 40.3420

Conversions

Conversions Part 2

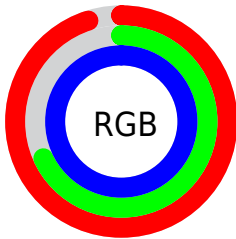
Format	Color
R_{YB}	243, 173, 255
Decimal	15969791
CIE _{Lab}	79.71, 38.91, -30.53
CIE _{LCh}	80, 49.461, 321.883
Yxy	56.1618, 0.3070, 0.2465
Android (android.graphics.Color)	4294159871 (0xFFFF3ADFF)
YUV	203.2780, 25.4989, 34.8362
Hunter-Lab	74.9412, 35.4782, -28.0498

Details

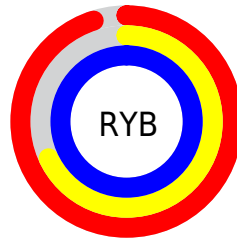
The XYZ color **69.9557, 56.1618, 101.7610** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **63.3117, 84.8520, 52.5790**, and the grayscale version is **56.7789, 59.7358, 65.0523**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **37.0396, 27.7100, 56.8224** is the 20% darker color. If you saturate the color by 10%, you get **64.2505, 46.6428, 100.2243**, and if you desaturate by 10%, it is **76.6235, 67.5652, 103.6106**.

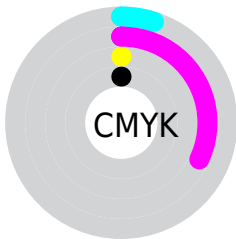
Distribution



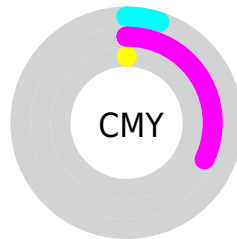
- Red (95%)
- Green (68%)
- Blue (100%)



- Red (95%)
- Yellow (68%)
- Blue (100%)



- Cyan (5%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.9557, 56.1618, 101.7610 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 69.9557, 56.1618, 101.7610 by changing the saturation by 10% instead.


 69.9557, 56.1618,
101.7610

 69.9557, 56.1618,
101.7610


449.6633,
410.3010, 587.1188

 51.7699, 40.3327,
77.1470


 118.1722, 99.2411,
165.6480

 37.0452, 27.7980,
56.8612


148.9336,
127.2601, 205.7581

 25.4163, 18.1735,
40.4852

184.6175,
160.1111, 251.8707

 16.5179, 11.0746,
27.6004

225.5894,
198.1786, 304.4042

 9.9845, 6.1170,
17.7882

272.2146,
241.8469, 363.7772

 5.4509, 2.9164,
10.6302

324.8584,

 2.5516, 1.0882,

291.5005, 430.4083

5.7077

383.8862,
347.5237, 504.7160

■ 0.9214, 0.0000,
2.6023

■ 0.0000, 0.0000,
0.8936

■ 69.9557, 56.1618,
101.7610

■ 69.9557, 56.1618,
101.7610

■ 64.2505, 46.6428,
100.2243

■ 76.6235, 67.5652,
103.6106

■ 59.4494, 38.8944,
98.9818

■ 84.2981, 80.9440,
105.7885

■ 55.4955, 32.8019,
98.0142

■ 93.0269, 96.3919,
108.3102

■ 52.3227, 28.2336,
97.2997

■ 95.0500, 100.0000,
108.9000

■ 49.8553, 25.0380,
96.8129

■ 48.0015, 23.0321,
96.5234

■ 46.8697, 22.0771,
96.3987

Harmonies

Analogous

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



60.8608, 56.1618, 127.6857



69.9557, 56.1618, 101.7610



74.7335, 56.1618, 69.2482

Triad

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



69.9557, 56.1618, 101.7610



56.1373, 56.1618, 21.2691



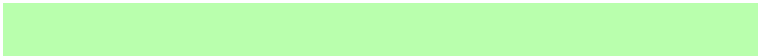
37.4719, 56.1618, 84.0202

Complementary

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



69.9557, 56.1618, 101.7610



63.3117, 84.8520, 52.5790

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.



36.5390, 56.1618, 53.7103



69.9557, 56.1618, 101.7610



46.5390, 56.1618, 23.0012

Square

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



69.9557, 56.1618, 101.7610



66.1307, 56.1618, 27.2888



39.6544, 56.1618, 33.1007



42.3838, 56.1618, 115.4169

Rectangle

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



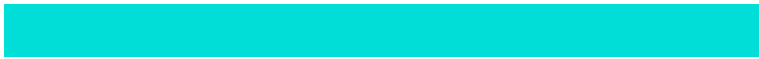
69.9557, 56.1618, 101.7610



74.4597, 56.1618, 50.5125



39.6544, 56.1618, 33.1007



36.7094, 56.1618, 73.1865

Sweetspot

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



69.9574, 56.1642, 101.7614



86.0884, 84.0949, 106.3023



52.6975, 50.9303, 101.6608



18.1753, 17.5576, 22.6810



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.



69.9574, 56.1642, 101.7614



65.9504, 49.4499, 100.6766



69.9535, 56.6567, 79.4177



18.5161, 18.1578, 22.7788



24.5900, 11.5871, 50.3751



2.4624, 1.1633, 4.9080

Inverse Universe

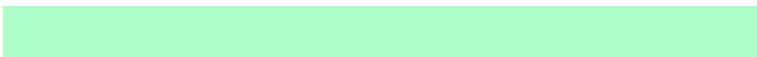
The Inverse Universe completely reimagines the original color for something new.



64.9419, 54.6521, 53.0269



60.3185, 47.7923, 44.1267



63.6203, 84.6551, 68.6801



18.1176, 18.0304, 19.2367



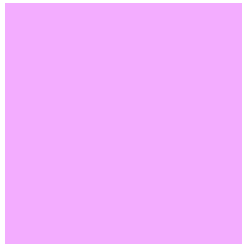
21.7582, 11.1926, 2.1113



2.1492, 1.1021, 0.3673

Previews

White Background



This preview shows how the XYZ color 69.9557, 56.1618, 101.7610 looks on a white background.

Color Contrast Check

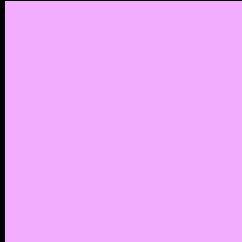
Large Text (above 18pt) WCAG AA × Fail

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 69.9557, 56.1618, 101.7610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

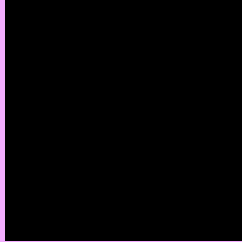
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9557, 56.1618, 101.7610

Background



This preview shows how black text looks on a background with the XYZ color 69.9557, 56.1618, 101.7610.



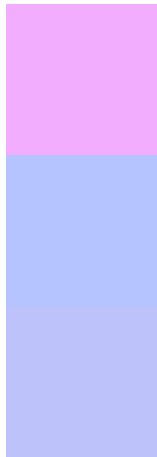
This preview shows how white text looks on a background with the XYZ color 69.9557, 56.1618,

101.7610.

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

69.9557, 56.1618, 101.7610

Protanopia

56.8460, 56.5236, 102.5218

Deuteranopia

57.6906, 56.3674, 99.1062



Tritanopia

61.5945, 56.0204, 60.9927

Trichromacy



Original Color

69.9557, 56.1618, 101.7610



Protanomaly

60.9351, 56.0238, 102.2098



Deuteranomaly

61.4241, 55.7014, 99.6095



Tritanomaly

64.3673, 55.9341, 74.4217

Monochromacy



Original Color

69.9557, 56.1618, 101.7610



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.9479, 57.8786, 77.0666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9557, 56.1618, 101.7610 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(243, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 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(243, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.9557, 56.1618, 101.7610 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(243, 173, 255) }
```


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

```
.border{ border-color:rgb(243, 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(243, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9557, 56.1618, 101.7610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 173, 255) }
```

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

```
.background{ background-color: rgb(243,  
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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