

# Converting Colors

XYZ(110.0580, 70.1901,  
286.3274)

Have a look what the booklet for  
XYZ(110.0580, 70.1901, 286.3274)  
contains.

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# Color

**XYZ(72.5655, 55.0309,  
101.4052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA4FF
RGB	255, 164, 255
RGB Percent	100%, 64%, 100%
CMY	0.0000, 0.3568, 0.0000
CMYK	0.00, 0.36, 0.00, 0.00
HSL	300°, 100%, 82%
HSV	300°, 36%, 100%
XYZ	72.5655, 55.0309, 101.4052
YIQ	201.5830, 25.0250, 47.5930

# Conversions

## Conversions Part 2

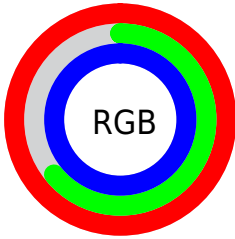
Format	Color
R <sub>Y</sub> B	255, 164, 255
Decimal	16753919
CIE <sub>Lab</sub>	79.06, 47.25, -31.42
CIE <sub>LCh</sub>	79, 56.739, 326.377
Yxy	55.0309, 0.3169, 0.2403
Android (android.graphics.Color)	4294943999 (0xFFFFA4FF)
YUV	201.5830, 26.3346, 46.8467
Hunter-Lab	74.1828, 44.7885, -29.1193

# Details

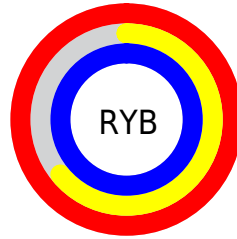
The XYZ color **72.5655, 55.0309, 101.4052** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.7723, 82.0936, 47.9253**, and the grayscale version is **55.7110, 58.6123, 63.8288**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **38.7949, 27.0994, 56.6121** is the 20% darker color. If you saturate the color by 10%, you get **68.4512, 46.8024, 100.0337**, and if you desaturate by 10%, it is **77.5965, 65.0931, 103.0822**.

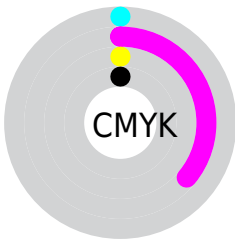
# Distribution



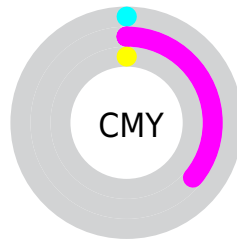
- Red (100%)
- Green (64%)
- Blue (100%)



- Red (100%)
- Yellow (64%)
- Blue (100%)



- Cyan (0%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (36%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5655, 55.0309, 101.4052 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 72.5655, 55.0309, 101.4052 by changing the saturation by 10% instead.





 72.5655, 55.0309,  
101.4052


 72.5655, 55.0309,  
101.4052

458.6347,  
406.0290, 585.9737

 53.9079, 39.4265,  
76.8512


 121.8666, 97.5862,  
165.1556

 38.7584, 27.0916,  
56.6199


 153.2409,  
125.3059, 205.1891

 26.7517, 17.6421,  
40.2928

189.5847,  
157.8328, 251.2194

 17.5224, 10.6933,  
27.4514

231.2634,  
195.5513, 303.6652

 10.7053, 5.8610,  
17.6771

278.6424,  
238.8457, 362.9450

 5.9348, 2.7607,  
10.5514

332.0870,

 2.8458, 1.0081,

288.1006, 429.4773

5.6557

391.9627,  
343.7002, 503.6807

■ 1.0727, 0.0000,  
2.5715

■ 0.0021, 0.0000,  
0.8777

■ 72.5655, 55.0309,  
101.4052

■ 72.5655, 55.0309,  
101.4052

■ 68.4512, 46.8024,  
100.0337

■ 77.5965, 65.0931,  
103.0822

■ 65.1958, 40.2915,  
98.9486

■ 83.5919, 77.0837,  
105.0806

■ 62.7393, 35.3785,  
98.1298

■ 90.5991, 91.0983,  
107.4164

■ 61.0129, 31.9259,  
97.5543

95.0500, 100.0000,  
108.9000

■ 59.9363, 29.7726,  
97.1954

■ 59.4097, 28.7195,  
97.0199

■ 59.2900, 28.4800,  
96.9800

# Harmonies

## Analogous

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



62.5650, 55.0309, 134.7494



72.5655, 55.0309, 101.4052



77.1258, 55.0309, 63.9382

# Triad

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



72.5655, 55.0309, 101.4052



53.6903, 55.0309, 16.7997



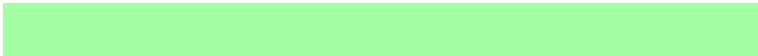
35.1536, 55.0309, 92.0370

# Complementary

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



72.5655, 55.0309, 101.4052



57.7723, 82.0936, 47.9253

# 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.



33.4785, 55.0309, 56.0724



72.5655, 55.0309, 101.4052



43.2333, 55.0309, 19.6714

# Square

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



72.5655, 55.0309, 101.4052



65.2832, 55.0309, 21.6028



36.2177, 55.0309, 31.6443



41.1723, 55.0309, 128.1117



# Rectangle

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



72.5655, 55.0309, 101.4052



76.0450, 55.0309, 44.0300



36.2177, 55.0309, 31.6443



34.1049, 55.0309, 79.2340

# Sweetspot

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



72.5665, 55.0329, 101.4055



86.7454, 83.3908, 106.1318



46.6375, 41.6660, 100.1920



18.3668, 17.4484, 22.6498



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.



72.5665, 55.0329, 101.4055



69.4690, 48.8379, 100.3730



66.0875, 52.4413, 67.2875



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

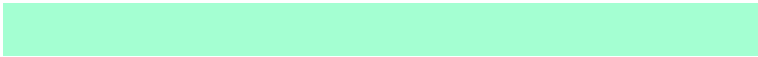
The Inverse Universe completely reimagines the original color for something new.



72.5665, 55.0329, 101.4055



69.4690, 48.8379, 100.3730



62.6420, 84.0415, 73.5685



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 72.5655, 55.0309, 101.4052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

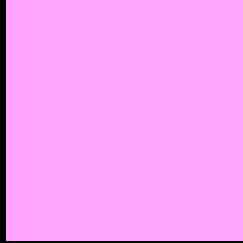
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.5655, 55.0309, 101.4052 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 72.5655, 55.0309, 101.4052

## Background



This preview shows how black text looks on a background with the XYZ color 72.5655, 55.0309, 101.4052.



This preview shows how white text looks on a background with the XYZ color 72.5655, 55.0309,

101.4052.

# 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

72.5655, 55.0309, 101.4052

### Protanopia

55.9322, 55.3873, 102.3506

### Deuteranopia

56.5985, 55.1662, 98.1076



## Tritanopia

63.4839, 54.9800, 56.5565

# Trichromacy



## Original Color

72.5655, 55.0309, 101.4052



## Protanomaly

60.7156, 54.3524, 101.8987



## Deuteranomaly

61.4500, 54.4812, 99.3726



## Tritanomaly

66.3145, 54.6841, 70.6783

# Monochromacy



## Original Color

72.5655, 55.0309, 101.4052



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

60.8532, 56.5590, 76.1163

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.5655, 55.0309, 101.4052 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, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 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(255, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.5655, 55.0309, 101.4052 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, 164, 255) }
```



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

```
.border{ border-color:rgb(255, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.5655, 55.0309, 101.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 255) }
```

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

```
.background{ background-color: rgb(255,  
164, 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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