

# Converting Colors

XYZ(72.3480, 56.0806,  
101.6192)

Have a look what the booklet for  
XYZ(72.3480, 56.0806, 101.6192)  
contains.

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# Color

**XYZ(72.1975, 55.9207,  
101.5963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCA8FF
RGB	252, 168, 255
RGB Percent	99%, 66%, 100%
CMY	0.0118, 0.3412, 0.0000
CMYK	0.01, 0.34, 0.00, 0.00
HSL	298°, 100%, 83%
HSV	298°, 34%, 100%
XYZ	72.1975, 55.9207, 101.5963
YIQ	203.0340, 22.1370, 44.8650

# Conversions

## Conversions Part 2

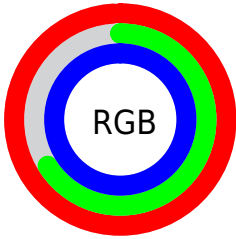
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 168, 255
Decimal	16558335
CIE <sub>Lab</sub>	79.57, 44.28, -30.66
CIE <sub>LCh</sub>	80, 53.856, 325.297
Yxy	55.9207, 0.3143, 0.2434
Android (android.graphics.Color)	4294748415 (0xFFFC88FF)
YUV	203.0340, 25.6192, 42.9432
Hunter-Lab	74.7801, 41.4700, -28.2053

# Details

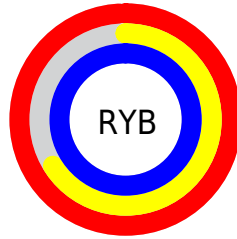
The XYZ color **72.1975, 55.9207, 101.5963** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.6238, 83.0057, 49.9277**, and the grayscale version is **56.6221, 59.5709, 64.8727**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **38.4585, 27.5812, 56.7228** is the 20% darker color. If you saturate the color by 10%, you get **67.6263, 47.2488, 100.1634**, and if you desaturate by 10%, it is **77.6965, 66.4441, 103.3377**.

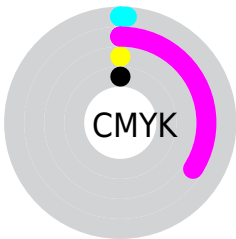
# Distribution



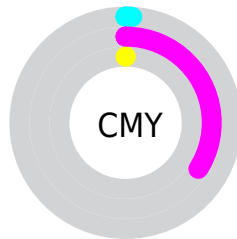
- Red (99%)
- Green (66%)
- Blue (100%)



- Red (99%)
- Yellow (66%)
- Blue (100%)



- Cyan (1%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (34%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1975, 55.9207, 101.5963 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 72.1975, 55.9207, 101.5963 by changing the saturation by 10% instead.




 72.1975, 55.9207,  
101.5963

 72.1975, 55.9207,  
101.5963


457.3757,  
409.3926, 586.5889

 53.6061, 40.1393,  
77.0100


 121.3466, 98.8886,  
165.4201

 38.5162, 27.6472,  
56.7495

 152.6349,  
126.8440, 205.4947

 26.5626, 18.0599,  
40.3961


188.8863,  
159.6261, 251.5693

 17.3799, 10.9930,  
27.5314

230.4660,  
197.6195, 304.0622

 10.6027, 6.0621,  
17.7368

277.7394,  
241.2084, 363.3921

 5.8657, 2.8829,  
10.5937

331.0720,

 2.8034, 1.0709,

290.7773, 429.9774

5.6836

390.8289,  
346.7106, 504.2369

■ 1.0507, 0.0000,  
2.5880

■ 0.0000, 0.0000,  
0.8863

■ 72.1975, 55.9207,  
101.5963

■ 72.1975, 55.9207,  
101.5963

■ 67.6263, 47.2488,  
100.1634

■ 77.6965, 66.4441,  
103.3377

■ 63.9238, 40.3130,  
99.0198

■ 84.1680, 78.9114,  
105.4030

■ 61.0316, 34.9958,  
98.1459

■ 91.6601, 93.4175,  
107.8081

■ 58.8826, 31.1625,  
97.5193

95.0500, 100.0000,  
108.9000

■ 57.3983, 28.6566,  
97.1138

■ 56.4830, 27.2866,  
96.8976

■ 56.1302, 26.8511,  
96.8321

# Harmonies

## Analogous

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



62.5659, 55.9207, 132.3888



72.1975, 55.9207, 101.5963



76.7524, 55.9207, 65.9157

# Triad

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



72.1975, 55.9207, 101.5963



54.8786, 55.9207, 18.6637



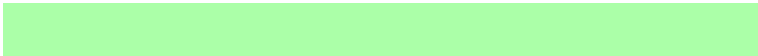
36.4433, 55.9207, 90.1292

# Complementary

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



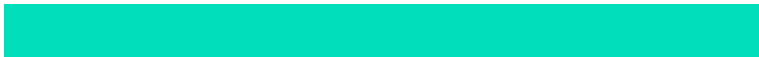
72.1975, 55.9207, 101.5963



59.6238, 83.0057, 49.9277

# 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.



34.9639, 55.9207, 56.1229



72.1975, 55.9207, 101.5963



44.7313, 55.9207, 21.2894

# Square

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



72.1975, 55.9207, 101.5963



65.9249, 55.9207, 23.8126



37.7886, 55.9207, 32.8302



42.1439, 55.9207, 124.3418



# Rectangle

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



72.1975, 55.9207, 101.5963



75.9016, 55.9207, 46.4562



37.7886, 55.9207, 32.8302



35.4719, 55.9207, 78.0365

# Sweetspot

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



72.1992, 55.9231, 101.5967



87.1253, 84.6294, 106.3509



49.0199, 45.1859, 100.7459



18.4280, 17.6878, 22.6928



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.



72.1992, 55.9231, 101.5967



68.9550, 49.7596, 100.5780



67.6193, 54.2176, 71.7669



18.7271, 18.2666, 22.7887



29.3568, 14.0445, 50.5982



2.8770, 1.3771, 4.9274



# Inverse Universe

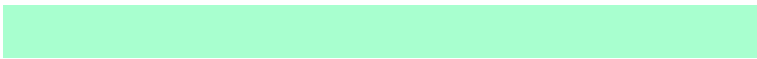
The Inverse Universe completely reimagines the original color for something new.



62.5947, 52.2078, 45.3080



58.0555, 45.5515, 36.3276



63.1909, 84.3579, 72.0819



18.0347, 17.9972, 18.8001



21.5849, 11.1233, 1.1986



2.1102, 1.0864, 0.1616



# Previews

## White Background



This preview shows how the XYZ color 72.1975, 55.9207, 101.5963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

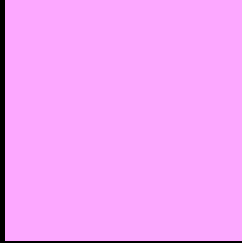
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1975, 55.9207, 101.5963 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 72.1975, 55.9207, 101.5963**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1975, 55.9207, 101.5963.



This preview shows how white text looks on a background with the XYZ color 72.1975, 55.9207,

101.5963.

# 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

72.1975, 55.9207, 101.5963

### Protanopia

56.8460, 56.5236, 102.5218

### Deuteranopia

57.5334, 56.3045, 98.2780



## Tritanopia

63.3671, 55.7707, 58.4639

# Trichromacy



## Original Color

72.1975, 55.9207, 101.5963



## Protanomaly

61.3410, 55.6032, 102.1072



## Deuteranomaly

62.0710, 55.7232, 99.5796



## Tritanomaly

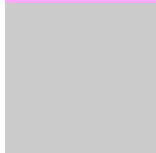
66.2778, 55.7827, 72.2397

# Monochromacy



## Original Color

72.1975, 55.9207, 101.5963



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

61.4171, 57.4730, 76.9636

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1975, 55.9207, 101.5963 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(252, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 168, 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(252, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 168, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1975, 55.9207, 101.5963 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(252, 168, 255) }
```



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

```
.border{ border-color:rgb(252, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 168,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1975, 55.9207, 101.5963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 168, 255) }
```

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

```
.background{ background-color: rgb(252,  
168, 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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