

# Converting Colors

XYZ(72.8467, 60.9135,  
102.5258)

Have a look what the booklet for  
XYZ(72.8467, 60.9135, 102.5258)  
contains.

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# Color

**XYZ(72.8467, 60.9135,  
102.5258)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B8FF
RGB	245, 184, 255
RGB Percent	96%, 72%, 100%
CMY	0.0392, 0.2784, 0.0000
CMYK	0.04, 0.28, 0.00, 0.00
HSL	292°, 100%, 86%
HSV	292°, 28%, 100%
XYZ	72.8467, 60.9135, 102.5258
YIQ	210.3330, 13.5650, 35.0130

# Conversions

## Conversions Part 2

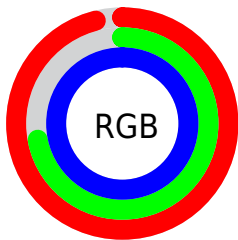
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 184, 255
Decimal	16103679
CIE Lab	82.33, 33.73, -26.49
CIE LCh	82, 42.887, 321.852
Yxy	60.9135, 0.3083, 0.2578
Android (android.graphics.Color)	4294293759 (0xFFFF5B8FF)
YUV	210.3330, 22.0208, 30.4030
Hunter-Lab	78.0471, 30.0238, -23.2527

# Details

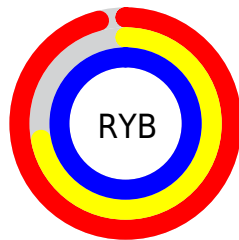
The XYZ color **72.8467, 60.9135, 102.5258** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.6614, 86.4507, 58.5236**, and the grayscale version is **61.3325, 64.5266, 70.2694**.

A 20% lighter version of the original color is **90.7453, 91.3906, 107.4651**, and **38.9147, 30.7338, 57.3073** is the 20% darker color. If you saturate the color by 10%, you get **66.7792, 50.6197, 100.8587**, and if you desaturate by 10%, it is **79.8967, 73.1344, 104.5131**.

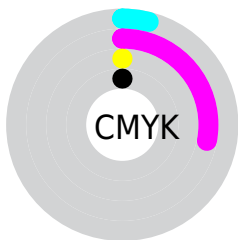
# Distribution



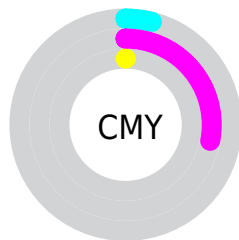
- Red (96%)
- Green (72%)
- Blue (100%)



- Red (96%)
- Yellow (72%)
- Blue (100%)



- Cyan (4%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (28%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8467, 60.9135, 102.5258 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 72.8467, 60.9135, 102.5258 by changing the saturation by 10% instead.



72.8467, 60.9135,  
102.5258

72.8467, 60.9135,  
102.5258

459.5953,  
427.9568, 589.5763

54.1386, 44.1554,  
77.7830

122.2639,  
106.1537, 166.7060

38.9436, 30.7927,  
57.3804

153.7036,  
135.4045, 206.9804

26.8963, 20.4410,  
40.8993

190.1179,  
169.5884, 253.2692

17.6316, 12.7160,  
27.9213

231.8721,  
209.0896, 305.9908

10.7839, 7.2333,  
18.0278

279.3316,  
254.2927, 365.5637

5.9879, 3.6084,  
10.8003

332.8617,

2.8783, 1.4570,

305.5820, 432.4066

5.8202

392.8279,  
363.3419, 506.9380

■ 1.0897, 0.2582,  
2.6691

■ 0.0165, 0.0000,  
0.9278

■ 72.8467, 60.9135,  
102.5258

■ 72.8467, 60.9135,  
102.5258

■ 66.7792, 50.6197,  
100.8587

■ 79.8967, 73.1344,  
104.5131

■ 61.6376, 42.1425,  
99.4934

■ 87.9715, 87.3696,  
106.8352

■ 57.3673, 35.3722,  
98.4117

95.0500, 100.0000,  
108.9000

■ 53.9057, 30.1840,  
97.5927

■ 51.1819, 26.4360,  
97.0128

■ 49.1119, 23.9606,  
96.6441

■ 47.5837, 22.5339,  
96.4493

■ 47.2900, 22.2938,  
96.4184

# Harmonies

## Analogous

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



64.6876, 60.9135, 124.8679



72.8467, 60.9135, 102.5258



77.0947, 60.9135, 73.7168

# Triad

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



72.8467, 60.9135, 102.5258



60.4232, 60.9135, 27.9347



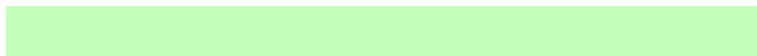
43.0684, 60.9135, 86.8786

# Complementary

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



72.8467, 60.9135, 102.5258



66.6614, 86.4507, 58.5236

# 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.



42.1834, 60.9135, 59.4436



72.8467, 60.9135, 102.5258



51.5981, 60.9135, 29.7180

# Square

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



72.8467, 60.9135, 102.5258



69.4449, 60.9135, 34.0937



45.1458, 60.9135, 39.8391



47.7050, 60.9135, 114.3042



# Rectangle

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



72.8467, 60.9135, 102.5258



76.8562, 60.9135, 56.5144



45.1458, 60.9135, 39.8391



42.3433, 60.9135, 77.2087

# Sweetspot

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



72.8485, 60.9161, 102.5262



87.8349, 87.1270, 106.7955



57.2563, 56.2866, 102.4544



18.5264, 18.1631, 22.7793



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.



72.8485, 60.9161, 102.5262



69.5982, 55.3704, 101.6271



72.6859, 61.2650, 82.9692



18.5264, 18.1631, 22.7793



24.8067, 11.6988, 50.3852



2.4814, 1.1731, 4.9089



# Inverse Universe

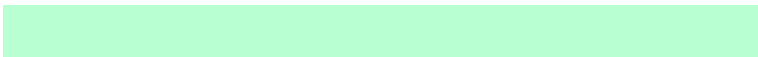
The Inverse Universe completely reimagines the original color for something new.



68.1196, 59.4385, 58.9236



64.2907, 53.7356, 51.6202



67.0190, 86.3072, 73.3533



18.1135, 18.0287, 19.2151



21.7459, 11.1876, 2.0462



2.1473, 1.1013, 0.3572



# Previews

## White Background



This preview shows how the XYZ color 72.8467, 60.9135, 102.5258 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

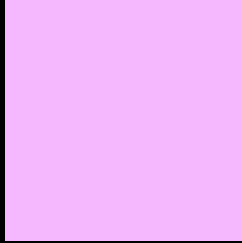
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8467, 60.9135, 102.5258 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

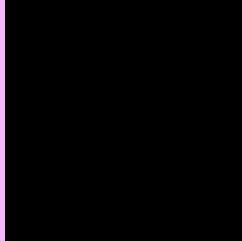
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.8467, 60.9135, 102.5258**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8467, 60.9135, 102.5258.



This preview shows how white text looks on a background with the XYZ color 72.8467, 60.9135,

102.5258.

# 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

72.8467, 60.9135, 102.5258

### Protanopia

61.1442, 61.1383, 103.1860

### Deuteranopia

62.5447, 61.2191, 100.6155



## Tritanopia

65.7150, 60.8711, 67.9603

# Trichromacy



## Original Color

72.8467, 60.9135, 102.5258



## Protanomaly

64.6539, 60.5487, 102.8872



## Deuteranomaly

65.8600, 60.8738, 101.2071



## Tritanomaly

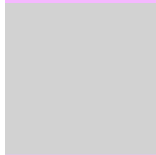
68.2797, 60.9639, 79.4026

# Monochromacy



## Original Color

72.8467, 60.9135, 102.5258



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

65.0455, 62.9523, 80.6742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8467, 60.9135, 102.5258 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 184, 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, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 184, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8467, 60.9135, 102.5258 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, 184, 255) }
```



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

```
.border{ border-color:rgb(245, 184, 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, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 184,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8467, 60.9135, 102.5258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 184, 255) }
```

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

```
.background{ background-color: rgb(245,  
184, 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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