

# Converting Colors

XYZ(70.7831, 60.0507, 93.4538)

Have a look what the booklet for  
XYZ(70.7831, 60.0507, 93.4538)  
contains.

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# Color

**XYZ(70.7779, 60.0457,  
93.4475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4B8F4
RGB	244, 184, 244
RGB Percent	96%, 72%, 96%
CMY	0.0431, 0.2784, 0.0431
CMYK	0.00, 0.25, 0.00, 0.04
HSL	300°, 73%, 84%
HSV	300°, 25%, 96%
XYZ	70.7779, 60.0457, 93.4475
YIQ	208.7800, 16.5000, 31.3800

# Conversions

## Conversions Part 2

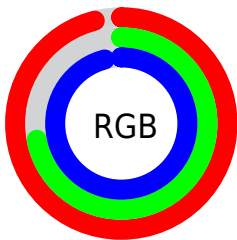
Format	Color
R <sub>Y</sub> B	244, 184, 244
Decimal	16038132
CIE Lab	81.86, 31.38, -21.33
CIE LCh	82, 37.943, 325.786
Yxy	60.0457, 0.3156, 0.2677
Android (android.graphics.Color)	4294228212 (0xFFFF4B8F4)
YUV	208.7800, 17.3635, 30.8879
Hunter-Lab	77.4892, 27.4343, -17.2579

# Details

The XYZ color **70.7779, 60.0457, 93.4475** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **60.7720, 78.3544, 57.2716**, and the grayscale version is **60.3455, 63.4882, 69.1386**.

A 20% lighter version of the original color is **90.4501, 90.8002, 107.3667**, and **37.5532, 30.1609, 51.4193** is the 20% darker color. If you saturate the color by 10%, you get **66.1406, 50.7700, 91.9021**, and if you desaturate by 10%, it is **76.2931, 71.0749, 95.2868**.

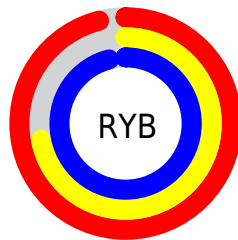
# Distribution



Red (96%)

Green (72%)

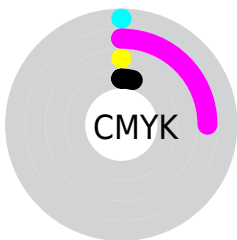
Blue (96%)



Red (96%)

Yellow (72%)

Blue (96%)

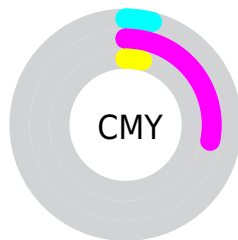


Cyan (0%)

Magenta (25%)

Yellow (0%)

Black (4%)



Cyan (4%)

Magenta (28%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7779, 60.0457, 93.4475 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 70.7779, 60.0457, 93.4475 by changing the saturation by 10% instead.





 70.7779, 60.0457,  
93.4475

 70.7779, 60.0457,  
93.4475


452.5006,  
424.7662, 560.0397

 52.4428, 43.4555,  
70.2538


 119.3377,  
104.8960, 154.0951

 37.5839, 30.2426,  
51.2554

150.2931,  
133.9248, 192.3860

 25.8356, 20.0228,  
36.0337


186.1860,  
167.8686, 236.5464

 16.8327, 12.4116,  
24.1704

227.3818,  
207.1118, 286.9949

 10.2099, 7.0247,  
15.2467

274.2458,  
252.0387, 344.1499

 5.6017, 3.4775,  
8.8441

327.1433,

 2.6428, 1.3858,

303.0339, 408.4300

4.5442

386.4398,  
360.4815, 480.2537

■ 0.9678, 0.2062,  
1.9284

■ 0.0000, 0.0000,  
0.5107

■ 70.7779, 60.0457,  
93.4475

■ 70.7779, 60.0457,  
93.4475

■ 66.1406, 50.7700,  
91.9021

■ 76.2931, 71.0749,  
95.2868

■ 62.3307, 43.1503,  
90.6319

■ 82.7222, 83.9330,  
97.4301

■ 59.3012, 37.0914,  
89.6219

■ 89.3983, 97.2852,  
99.6557

■ 56.9982, 32.4854,  
88.8539

■ 89.3984, 97.2852,  
99.6560

■ 55.3608, 29.2108,  
88.3079

■ 89.3984, 97.2852,  
99.6562

■ 54.3184, 27.1261,  
87.9602

■ 89.3985, 97.2853,  
99.6565

■ 53.7844, 26.0581,  
87.7819

■ 89.3985, 97.2853,  
99.6568

■ 53.6378, 25.7650,  
87.7330

■ 89.3986, 97.2853,  
99.6570

■ 89.3986, 97.2853,  
99.6573

# Harmonies

## Analogous

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



64.0367, 60.0457, 113.6778



70.7779, 60.0457, 93.4475



73.8496, 60.0457, 68.6741

# Triad

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



70.7779, 60.0457, 93.4475



58.2107, 60.0457, 30.5199



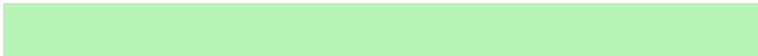
44.2974, 60.0457, 86.5046

# Complementary

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



70.7779, 60.0457, 93.4475



60.7720, 78.3544, 57.2716

# 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.



43.0493, 60.0457, 62.1921



70.7779, 60.0457, 93.4475



50.6308, 60.0457, 33.1640

# Square

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



70.7779, 60.0457, 93.4475



66.1764, 60.0457, 35.2682



45.2600, 60.0457, 43.5831



48.8428, 60.0457, 109.0559



# Rectangle

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



70.7779, 60.0457, 93.4475



73.2111, 60.0457, 54.0995



45.2600, 60.0457, 43.5831



43.4976, 60.0457, 78.1277

# Sweetspot

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



70.7798, 60.0483, 93.4488



89.6176, 89.1353, 107.0890



53.2394, 51.0059, 92.6285



19.0868, 18.8885, 22.8898



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.



70.7798, 60.0483, 93.4488



75.3099, 60.5201, 102.3192



66.5885, 58.3718, 71.3780



17.2137, 16.7683, 20.8719



29.1648, 14.0093, 47.7036



2.5633, 1.2313, 4.1927



# Inverse Universe

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



70.7798, 60.0483, 93.4488



75.3099, 60.5201, 102.3192



64.2577, 79.7487, 75.6270



17.2137, 16.7683, 20.8719



29.1648, 14.0093, 47.7036



2.5633, 1.2313, 4.1927



# Previews

## White Background



This preview shows how the XYZ color 70.7779, 60.0457, 93.4475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

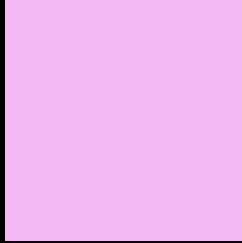
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7779, 60.0457, 93.4475 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 70.7779, 60.0457, 93.4475**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7779, 60.0457, 93.4475.



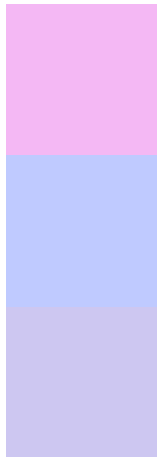
This preview shows how white text looks on a background with the XYZ color 70.7779, 60.0457,



# 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

70.7779, 60.0457, 93.4475

### Protanopia

60.6564, 60.5374, 103.0957

### Deuteranopia

61.4774, 60.1769, 91.5942



## Tritanopia

65.3680, 60.0686, 66.5416

# Trichromacy



## Original Color

70.7779, 60.0457, 93.4475



## Protanomaly

63.5060, 59.6969, 99.4423



## Deuteranomaly

64.5322, 60.0544, 92.1949



## Tritanomaly

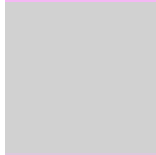
67.1771, 59.8345, 75.7187

# Monochromacy



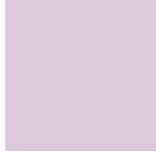
## Original Color

70.7779, 60.0457, 93.4475



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

63.9633, 62.1121, 77.7248

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7779, 60.0457, 93.4475 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(244, 184, 244)` looks like.

```
.text, #text, p{  
    color:rgb(244, 184, 244)  
}
```

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(244, 184, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 184, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7779, 60.0457, 93.4475 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(244, 184, 244) }
```



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

```
.border{ border-color:rgb(244, 184, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 184, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 184, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 184, 244);  
box-shadow:4px 4px 4px 4px rgb(244, 184,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7779, 60.0457, 93.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 184, 244) }
```

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

```
.background{ background-color: rgb(244,  
184, 244) }
```

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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