

# Converting Colors

XYZ(75.8657, 63.1429,  
102.7970)

Have a look what the booklet for  
XYZ(75.8657, 63.1429, 102.7970)  
contains.

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# Color

**XYZ(75.7538, 63.0333,  
102.7817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCBAFF
RGB	252, 186, 255
RGB Percent	99%, 73%, 100%
CMY	0.0118, 0.2706, 0.0000
CMYK	0.01, 0.27, 0.00, 0.00
HSL	297°, 100%, 86%
HSV	297°, 27%, 100%
XYZ	75.7538, 63.0333, 102.7817
YIQ	213.6000, 17.1870, 35.4510

# Conversions

## Conversions Part 2

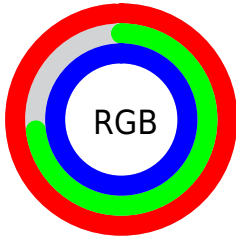
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 186, 255
Decimal	16562943
CIE <sub>Lab</sub>	83.46, 34.87, -24.71
CIE <sub>LCh</sub>	83, 42.741, 324.681
Yxy	63.0333, 0.3136, 0.2609
Android (android.graphics.Color)	4294753023 (0xFFFCBAFF)
YUV	213.6000, 20.4102, 33.6768
Hunter-Lab	79.3935, 31.3782, -21.1805

# Details

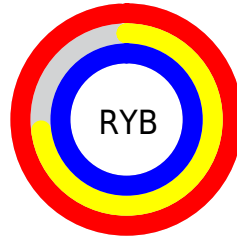
The XYZ color **75.7538, 63.0333, 102.7817** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.6108, 85.8847, 59.5769**, and the grayscale version is **63.5087, 66.8161, 72.7628**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **40.9500, 32.1818, 57.4795** is the 20% darker color. If you saturate the color by 10%, you get **70.4540, 53.0268, 101.1296**, and if you desaturate by 10%, it is **82.0181, 74.9635, 104.7543**.

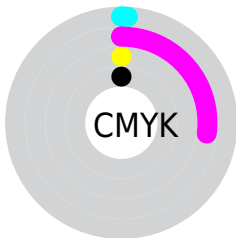
# Distribution



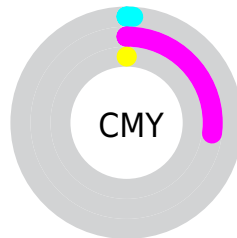
- Red (99%)
- Green (73%)
- Blue (100%)



- Red (99%)
- Yellow (73%)
- Blue (100%)



- Cyan (1%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (27%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7538, 63.0333, 102.7817 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 75.7538, 63.0333, 102.7817 by changing the saturation by 10% instead.





 75.7538, 63.0333,  
102.7817

 75.7538, 63.0333,  
102.7817

469.4618,  
435.6903, 590.3974

 56.5270, 45.8681,  
77.9959


 126.3610,  
109.2176, 167.0598

 40.8643, 32.1418,  
57.5542

158.4722,  
139.0054, 207.3891

 28.4002, 21.4698,  
41.0380

195.6088,  
173.7697, 253.7367

 18.7696, 13.4679,  
28.0289

238.1363,  
213.8947, 306.5211

 11.6069, 7.7515,  
18.1082

286.4200,  
259.7649, 366.1608

 6.5469, 3.9364,  
10.8574

340.8253,

 3.2242, 1.6380,

311.7646, 433.0744

5.8581

401.7174,  
370.2783, 507.6804

■ 1.2734, 0.3830,  
2.6916

■ 0.1632, 0.0000,  
0.9392

■ 75.7538, 63.0333,  
102.7817

■ 75.7538, 63.0333,  
102.7817

■ 70.4540, 53.0268,  
101.1296

■ 82.0181, 74.9635,  
104.7543

■ 66.0622, 44.8339,  
99.7797

■ 89.2887, 88.9037,  
107.0618

■ 62.5247, 38.3460,  
98.7138

95.0500, 100.0000,  
108.9000

■ 59.7795, 33.4393,  
97.9114

■ 57.7566, 29.9736,  
97.3491

■ 56.3734, 27.7840,  
96.9994

■ 55.5246, 26.6598,  
96.8271

■ 55.3299, 26.4385,  
96.7947

# Harmonies

## Analogous

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



67.7094, 63.0333, 126.6208



75.7538, 63.0333, 102.7817



79.5828, 63.0333, 73.5006

# Triad

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



75.7538, 63.0333, 102.7817



61.5878, 63.0333, 29.1668



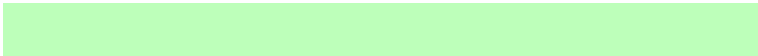
45.0597, 63.0333, 92.3690

# Complementary

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



75.7538, 63.0333, 102.7817



65.6108, 85.8847, 59.5769

# 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.



43.7820, 63.0333, 63.9844



75.7538, 63.0333, 102.7817



52.7361, 63.0333, 31.7654

# Square

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



75.7538, 63.0333, 102.7817



70.8793, 63.0333, 34.6978



46.4475, 63.0333, 43.0336



50.1374, 63.0333, 119.5987



# Rectangle

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



75.7538, 63.0333, 102.7817



78.9707, 63.0333, 56.4308



46.4475, 63.0333, 43.0336



44.1953, 63.0333, 82.4775

# Sweetspot

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



75.7556, 63.0360, 102.7821



88.5585, 87.5001, 106.8294



56.5968, 54.2513, 102.0963



18.7100, 18.2578, 22.7879



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.



75.7556, 63.0360, 102.7821



73.0178, 57.8544, 101.9263



72.2482, 61.7595, 78.6002



18.7100, 18.2578, 22.7879



28.9454, 13.8324, 50.5789



2.8415, 1.3588, 4.9258



# Inverse Universe

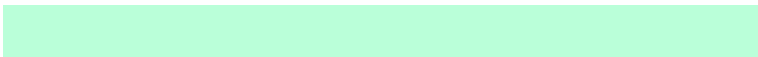
The Inverse Universe completely reimagines the original color for something new.



67.9859, 60.0545, 56.1548



64.1908, 54.4730, 48.6979



68.5424, 86.9723, 78.8567



18.0414, 17.9999, 18.8350



21.5943, 11.1270, 1.2482



2.1133, 1.0877, 0.1781



# Previews

## White Background



This preview shows how the XYZ color 75.7538, 63.0333, 102.7817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

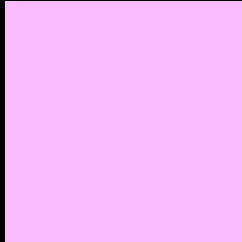
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.7538, 63.0333, 102.7817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

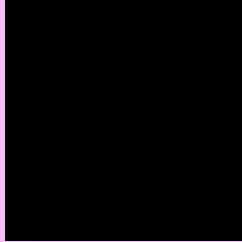
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.7538, 63.0333, 102.7817**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.7538, 63.0333, 102.7817.



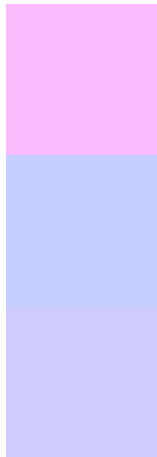
This preview shows how white text looks on a background with the XYZ color 75.7538, 63.0333,



# 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

75.7538, 63.0333, 102.7817

### Protanopia

63.1278, 63.5814, 103.5530

### Deuteranopia

64.8957, 63.4794, 100.9278



## Tritanopia

69.1540, 63.2762, 69.5415

# Trichromacy



## Original Color

75.7538, 63.0333, 102.7817



## Protanomaly

66.7923, 62.6658, 103.1831



## Deuteranomaly

68.1273, 62.7123, 101.4425



## Tritanomaly

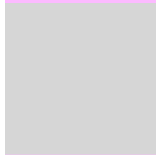
71.2885, 63.1467, 80.3827

# Monochromacy



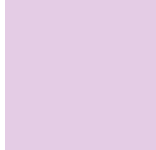
## Original Color

75.7538, 63.0333, 102.7817



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

67.7306, 65.3369, 83.1702

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.7538, 63.0333, 102.7817 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, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 186, 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, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 186, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.7538, 63.0333, 102.7817 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, 186, 255) }
```



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

```
.border{ border-color:rgb(252, 186, 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, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 186,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.7538, 63.0333, 102.7817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 186, 255) }
```

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

```
.background{ background-color: rgb(252,  
186, 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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