

# Converting Colors

XYZ(77.3254, 70.3220, 89.7303)

Have a look what the booklet for  
XYZ(77.3254, 70.3220, 89.7303)  
contains.

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# Color

**XYZ(77.0238, 69.9956,  
89.5717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCCCED
RGB	252, 204, 237
RGB Percent	99%, 80%, 93%
CMY	0.0118, 0.2000, 0.0706
CMYK	0.00, 0.19, 0.06, 0.01
HSL	319°, 89%, 89%
HSV	319°, 19%, 99%
XYZ	77.0238, 69.9956, 89.5717
YIQ	222.1140, 18.0150, 20.4390

# Conversions

## Conversions Part 2

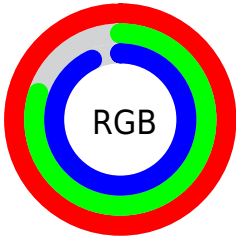
Format	Color
R <sub>Y</sub> B	252, 204, 237
Decimal	16567533
CIE Lab	86.99, 22.21, -9.82
CIE LCh	87, 24.289, 336.148
Yxy	69.9956, 0.3256, 0.2959
Android (android.graphics.Color)	4294757613 (0xFFFCCEDE)
YUV	222.1140, 7.3388, 26.2100
Hunter-Lab	83.6634, 17.9232, -4.9127

# Details

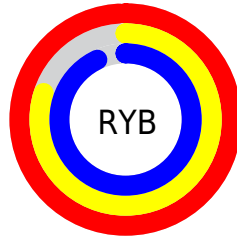
The XYZ color **77.0238, 69.9956, 89.5717** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.5012, 87.5746, 80.1042**, and the grayscale version is **69.4543, 73.0713, 79.5747**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7525, 36.7510, 48.6091** is the 20% darker color. If you saturate the color by 10%, you get **70.3869, 58.5222, 81.8068**, and if you desaturate by 10%, it is **84.6843, 83.4334, 97.9288**.

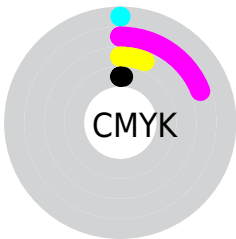
# Distribution



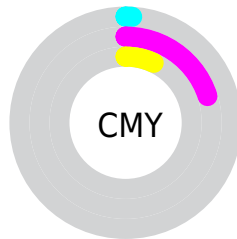
- Red (99%)
- Green (80%)
- Blue (93%)



- Red (99%)
- Yellow (80%)
- Blue (93%)



- Cyan (0%)
- Magenta (19%)
- Yellow (6%)
- Black (1%)



- Cyan (1%)
- Magenta (20%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0238, 69.9956, 89.5717 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 77.0238, 69.9956, 89.5717 by changing the saturation by 10% instead.



77.0238, 69.9956,  
89.5717

77.0238, 69.9956,  
89.5717

473.7359,  
460.5346, 547.1707

57.5724, 51.5229,  
67.0538

128.1457,  
119.2025, 148.6736

41.7069, 36.6250,  
48.6664

160.5470,  
150.7055, 186.0947

29.0620, 24.9173,  
33.9912

197.9956,  
187.3208, 229.3206

19.2722, 16.0154,  
22.6095

240.8568,  
229.4327, 278.7698

11.9723, 9.5351,  
14.1029

289.4961,  
277.4256, 334.8609

6.7969, 5.0918,  
8.0527

344.2789,

3.3806, 2.3012,

331.6840, 398.0124

4.0404

405.5703,  
392.5921, 468.6428

■ 1.3581, 0.7744,  
1.6475

■ 0.2261, 0.0000,  
0.3244

■ 77.0238, 69.9956,  
89.5717

■ 77.0238, 69.9956,  
89.5717

■ 70.3869, 58.5222,  
81.8068

■ 84.6843, 83.4334,  
97.9288

■ 64.7204, 48.9107,  
74.6108

■ 93.4064, 98.9134,  
106.8914

■ 59.9753, 41.0631,  
67.9650

■ 93.9553, 99.4357,  
108.8488

■ 56.0958, 34.8690,  
61.8473

■ 53.0197, 30.2050,  
56.2338

■ 50.6762, 26.9308,  
51.0975

■ 48.9815, 24.8796,  
46.4068

■ 47.8110, 23.8037,  
42.1167

■ 47.7118, 23.7223,  
41.7231

# Harmonies

## Analogous

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



73.1800, 69.9956, 104.3579



77.0238, 69.9956, 89.5717



77.9868, 69.9956, 72.9129

# Triad

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



77.0238, 69.9956, 89.5717



65.3661, 69.9956, 49.1569



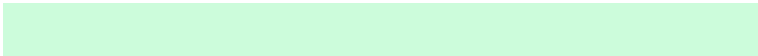
58.0950, 69.9956, 96.1888

# Complementary

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



77.0238, 69.9956, 89.5717



72.5012, 87.5746, 80.1042

# 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.



56.2518, 69.9956, 79.6118



77.0238, 69.9956, 89.5717



60.2932, 69.9956, 53.6469

# Square

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



77.0238, 69.9956, 89.5717



71.0428, 69.9956, 51.0401



57.0331, 69.9956, 64.2538



62.2101, 69.9956, 108.5426



# Rectangle

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



77.0238, 69.9956, 89.5717



76.8201, 69.9956, 63.2456



57.0331, 69.9956, 64.2538



57.2001, 69.9956, 90.8424

# Sweetspot

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



77.0259, 69.9987, 89.5732



89.6014, 90.3195, 103.3330



68.1997, 65.1847, 101.0839



19.0566, 19.1165, 21.9907



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.



77.0259, 69.9987, 89.5732



76.2969, 66.9931, 88.7781



73.8268, 68.7191, 72.7271



17.7486, 17.4268, 20.5319



24.9228, 12.3848, 22.0997



2.3560, 1.1662, 2.2983



# Inverse Universe

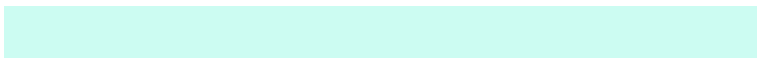
The Inverse Universe completely reimagines the original color for something new.



77.0259, 69.9987, 89.5732



76.2969, 66.9931, 88.7781



75.8017, 88.8948, 97.4847



17.7486, 17.4268, 20.5319



24.9228, 12.3848, 22.0997



2.3560, 1.1662, 2.2983



# Previews

## White Background



This preview shows how the XYZ color 77.0238, 69.9956, 89.5717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

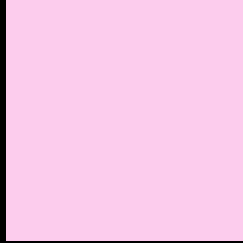
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0238, 69.9956, 89.5717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

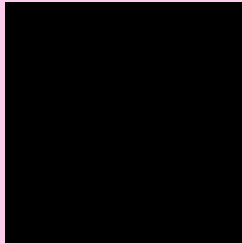
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.0238, 69.9956, 89.5717**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.0238, 69.9956, 89.5717.



This preview shows how white text looks on a background with the XYZ color 77.0238, 69.9956,



# 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

77.0238, 69.9956, 89.5717

### Protanopia

69.0258, 70.5144, 96.3588

### Deuteranopia

71.4939, 70.0740, 88.3548



## Tritanopia

74.8149, 69.7943, 79.3405

# Trichromacy



## Original Color

77.0238, 69.9956, 89.5717

## Protanomaly

71.5654, 69.9918, 93.7423

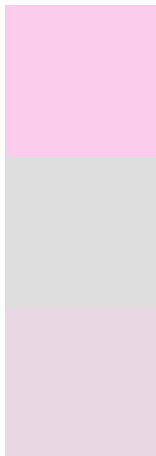
## Deuteranomaly

73.5374, 70.0078, 88.9939

## Tritanomaly

75.6186, 69.7733, 82.8809

# Monochromacy



## Original Color

77.0238, 69.9956, 89.5717

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.7698, 71.4706, 82.6856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0238, 69.9956, 89.5717 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, 204, 237)` looks like.

```
.text, #text, p{  
    color:rgb(252, 204, 237)  
}
```

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, 204, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 204, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0238, 69.9956, 89.5717 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, 204, 237) }
```



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

```
.border{ border-color:rgb(252, 204, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 204, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 204, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 204, 237);  
box-shadow:4px 4px 4px 4px rgb(252, 204,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0238, 69.9956, 89.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 204, 237) }
```

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

```
.background{ background-color: rgb(252,  
204, 237) }
```

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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