

# Converting Colors

XYZ(76.6626, 69.8094, 89.5548)

Have a look what the booklet for  
XYZ(76.6626, 69.8094, 89.5548)  
contains.

<b>XYZ(76.6626, 69.8094, 89.5548)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.6626, 69.8094,  
89.5548)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBCCED
RGB	251, 204, 237
RGB Percent	98%, 80%, 93%
CMY	0.0157, 0.2000, 0.0706
CMYK	0.00, 0.19, 0.06, 0.02
HSL	318°, 85%, 89%
HSV	318°, 19%, 98%
XYZ	76.6626, 69.8094, 89.5548
YIQ	221.8150, 17.4190, 20.2270

# Conversions

## Conversions Part 2

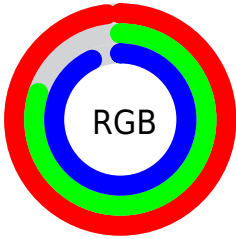
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">251, 204, 237</a>
Decimal	<a href="#">16501997</a>
CIELab	<a href="#">86.90, 21.88, -9.97</a>
CIElCh	<a href="#">87, 24.042, 335.507</a>
Yxy	<a href="#">69.8094, 0.3248, 0.2958</a>
Android (android.graphics.Color)	<a href="#">4294692077</a> (0xFFFBCCED)
YUV	<a href="#">221.8150, 7.4862, 25.5952</a>
Hunter-Lab	<a href="#">83.5520, 17.5655, -5.0633</a>

# Details

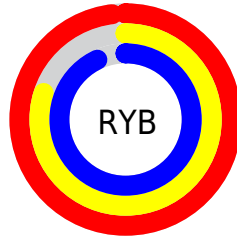
The XYZ color **76.6626, 69.8094, 89.5548** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.0567, 86.8956, 79.3084**, and the grayscale version is **69.2426, 72.8486, 79.3322**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4950, 36.6182, 48.5971** is the 20% darker color. If you saturate the color by 10%, you get **70.1015, 58.3983, 82.0902**, and if you desaturate by 10%, it is **84.2347, 83.1675, 97.5828**.

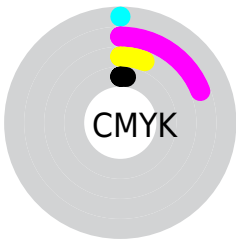
# Distribution



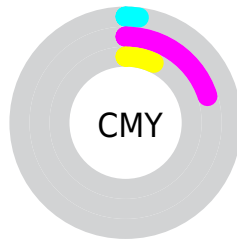
- Red (98%)
- Green (80%)
- Blue (93%)



- Red (98%)
- Yellow (80%)
- Blue (93%)



- Cyan (0%)
- Magenta (19%)
- Yellow (6%)
- Black (2%)




- Cyan (2%)
- Magenta (20%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6626, 69.8094, 89.5548 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 76.6626, 69.8094, 89.5548 by changing the saturation by 10% instead.




 76.6626, 69.8094,  
89.5548

 76.6626, 69.8094,  
89.5548


472.5225,  
459.8805, 547.1143

 57.2750, 51.3712,  
67.0398

127.6385,  
118.9369, 148.6499

 41.4670, 36.5041,  
48.6552

159.9574,  
150.3950, 186.0672

 28.8735, 24.8238,  
33.9824


197.3175,  
186.9618, 229.2890

 19.1289, 15.9458,  
22.6028

240.0841,  
229.0217, 278.7338

 11.8680, 9.4858,  
14.0980

288.6225,  
276.9591, 334.8202

 6.7254, 5.0594,  
8.0493

343.2981,

 3.3358, 2.2822,

331.1585, 397.9667

4.0383

404.4764,  
392.0041, 468.5919

■ 1.3337, 0.7642,  
1.6464

■ 0.2082, 0.0000,  
0.3236

■ 76.6626, 69.8094,  
89.5548

■ 76.6626, 69.8094,  
89.5548

■ 70.1015, 58.3983,  
82.0902

■ 84.2347, 83.1675,  
97.5828

■ 64.4987, 48.8330,  
75.1663

■ 92.8551, 98.5495,  
106.1869

■ 59.8061, 41.0167,  
68.7651

■ 93.5941, 99.2495,  
108.8319

■ 55.9686, 34.8403,  
62.8654

■ 52.9249, 30.1824,  
57.4441

■ 50.6054, 26.9046,  
52.4749

■ 48.9278, 24.8430,  
47.9273

■ 47.7730, 23.7607,  
43.7588

■ 47.6432, 23.6531,  
43.2471

# Harmonies

## Analogous

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



72.8176, 69.8094, 104.0419



76.6626, 69.8094, 89.5548



77.6814, 69.8094, 73.0838

# Triad

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



76.6626, 69.8094, 89.5548



65.3218, 69.8094, 49.2149



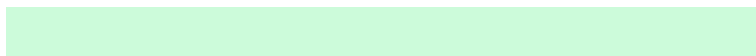
57.9504, 69.8094, 95.4070

# Complementary

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



76.6626, 69.8094, 89.5548



72.0567, 86.8956, 79.3084

# 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.



56.1810, 69.8094, 79.0145



76.6626, 69.8094, 89.5548



60.2804, 69.8094, 53.5289

# Square

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



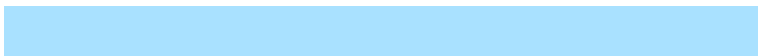
76.6626, 69.8094, 89.5548



70.9263, 69.8094, 51.2159



57.0095, 69.8094, 63.9058



61.9783, 69.8094, 107.7404



# Rectangle

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



76.6626, 69.8094, 89.5548



76.5739, 69.8094, 63.4657



57.0095, 69.8094, 63.9058



57.0824, 69.8094, 90.1083

# Sweetspot

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



76.6646, 69.8125, 89.5563



89.6366, 90.3336, 103.5182



67.7179, 64.9546, 100.2363



19.0649, 19.1198, 22.0346



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.



76.6646, 69.8125, 89.5563



77.1154, 68.2508, 90.2201



73.5400, 68.5626, 73.1023



17.7598, 17.4313, 20.5910



25.1101, 12.4598, 23.0862



2.3723, 1.1726, 2.3838



# Inverse Universe

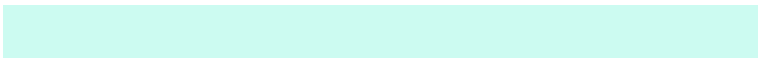
The Inverse Universe completely reimagines the original color for something new.



76.6646, 69.8125, 89.5563



77.1154, 68.2508, 90.2201



75.2512, 88.1734, 96.1304



17.7598, 17.4313, 20.5910



25.1101, 12.4598, 23.0862



2.3723, 1.1726, 2.3838



# Previews

## White Background



This preview shows how the XYZ color 76.6626, 69.8094, 89.5548 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

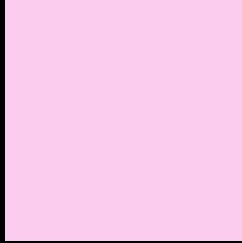
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6626, 69.8094, 89.5548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

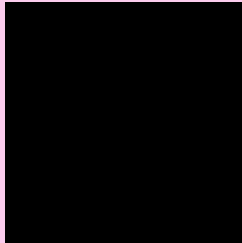
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.6626, 69.8094, 89.5548**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6626, 69.8094, 89.5548.



This preview shows how white text looks on a background with the XYZ color 76.6626, 69.8094,



# 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

76.6626, 69.8094, 89.5548

### Protanopia

68.7689, 70.0004, 96.2731

### Deuteranopia

71.6388, 70.1320, 89.1179



## Tritanopia

74.4575, 69.6101, 79.3238

# Trichromacy



## Original Color

76.6626, 69.8094, 89.5548

## Protanomaly

71.2490, 69.8287, 93.7275

## Deuteranomaly

73.2007, 69.8342, 88.9781

## Tritanomaly

75.2593, 69.5881, 82.8640

# Monochromacy



## Original Color

76.6626, 69.8094, 89.5548

## 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 76.6626, 69.8094, 89.5548 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(251, 204, 237)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 204, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 204, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6626, 69.8094, 89.5548 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(251, 204, 237) }
```



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

```
.border{ border-color:rgb(251, 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(251, 204, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 204, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 204, 237);  
box-shadow:4px 4px 4px 4px rgb(251, 204,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6626, 69.8094, 89.5548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 204, 237) }
```

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

```
.background{ background-color: rgb(251,  
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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