

# Converting Colors

XYZ(77.2705, 69.6615, 86.8792)

Have a look what the booklet for  
XYZ(77.2705, 69.6615, 86.8792)  
contains.

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# Color

**XYZ(77.4472, 69.9124,  
87.2544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCBEA
RGB	255, 203, 234
RGB Percent	100%, 80%, 92%
CMY	0.0000, 0.2039, 0.0823
CMYK	0.00, 0.20, 0.08, 0.00
HSL	324°, 100%, 90%
HSV	324°, 20%, 100%
XYZ	77.4472, 69.9124, 87.2544
YIQ	222.0820, 21.0410, 20.6650

# Conversions

## Conversions Part 2

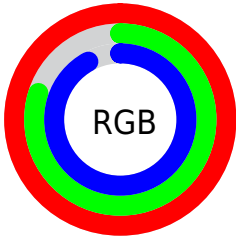
Format	Color
R <sub>Y</sub> B	255, 203, 234
Decimal	16763882
CIE Lab	86.95, 23.24, -8.26
CIE LCh	87, 24.668, 340.432
Yxy	69.9124, 0.3301, 0.2980
Android (android.graphics.Color)	4294953962 (0xFFFFCBEA)
YUV	222.0820, 5.8756, 28.8691
Hunter-Lab	83.6136, 19.0119, -3.3421

# Details

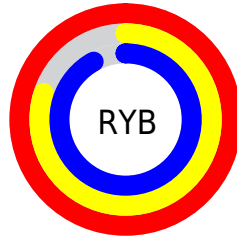
The XYZ color **77.4472, 69.9124, 87.2544** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.8454, 89.5994, 83.9267**, and the grayscale version is **69.4400, 73.0562, 79.5582**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0720, 36.7150, 46.9887** is the 20% darker color. If you saturate the color by 10%, you get **70.4765, 58.2702, 77.8425**, and if you desaturate by 10%, it is **85.4975, 83.5755, 97.4524**.

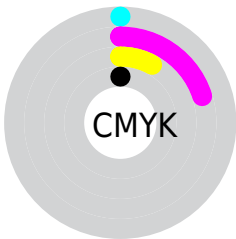
# Distribution



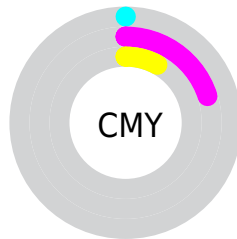
- Red (100%)
- Green (80%)
- Blue (92%)



- Red (100%)
- Yellow (80%)
- Blue (92%)



- Cyan (0%)
- Magenta (20%)
- Yellow (8%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4472, 69.9124, 87.2544 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 77.4472, 69.9124, 87.2544 by changing the saturation by 10% instead.




 77.4472, 69.9124,  
87.2544

 77.4472, 69.9124,  
87.2544


475.1560,  
460.2424, 539.3964

 57.9212, 51.4551,  
65.1449


128.7401,  
119.0838, 145.4207

 41.9883, 36.5709,  
47.1265

161.2376,  
150.5668, 182.3146

 29.2832, 24.8755,  
32.7806


198.7897,  
187.1604, 224.9737

 19.4405, 15.9843,  
21.6887

241.7617,  
229.2490, 273.8165

 12.0949, 9.5130,  
13.4322

290.5190,  
277.2172, 329.2617

 6.8810, 5.0773,  
7.5926

345.4269,

 3.4335, 2.2927,

331.4492, 391.7277

3.7514

406.8508,  
392.3295, 461.6331

■ 1.3869, 0.7698,  
1.4900

■ 0.2469, 0.0000,  
0.2104

■ 77.4472, 69.9124,  
87.2544

■ 77.4472, 69.9124,  
87.2544

■ 70.4765, 58.2702,  
77.8425

■ 85.4975, 83.5755,  
97.4524

■ 64.5308, 48.5431,  
69.1886

94.6691, 99.3416,  
108.4545

■ 59.5578, 40.6283,  
61.2687

95.0500, 100.0000,  
108.9000

■ 55.4983, 34.4102,  
54.0558

■ 52.2866, 29.7595,  
47.5201

■ 49.8474, 26.5283,  
41.6285

■ 48.0908, 24.5398,  
36.3428

■ 46.9086, 23.5274,  
31.7805

# Harmonies

## Analogous

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



73.8984, 69.9124, 102.9246



77.4472, 69.9124, 87.2544



77.9543, 69.9124, 70.5200

# Triad

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



77.4472, 69.9124, 87.2544



64.4634, 69.9124, 48.9829



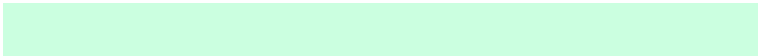
58.3667, 69.9124, 98.6152

# Complementary

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



77.4472, 69.9124, 87.2544



73.8454, 89.5994, 83.9267

# 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.



56.1365, 69.9124, 82.0146



77.4472, 69.9124, 87.2544



59.5190, 69.9124, 54.4313

# Square

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



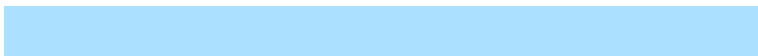
77.4472, 69.9124, 87.2544



70.2306, 69.9124, 49.9646



56.5458, 69.9124, 65.9805



62.8069, 69.9124, 110.1117



# Rectangle

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



77.4472, 69.9124, 87.2544



76.4695, 69.9124, 61.1532



56.5458, 69.9124, 65.9805



57.3457, 69.9124, 93.3551

# Sweetspot

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



77.4488, 69.9153, 87.2559



89.3828, 90.2321, 102.1816



70.0870, 65.7506, 103.6049



19.0049, 19.0958, 21.7183



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.



77.4488, 69.9153, 87.2559



74.8101, 65.4837, 83.7683



74.0078, 68.5389, 69.1358



18.4639, 18.1689, 21.0603



24.5866, 12.3239, 17.0055



2.4480, 1.2216, 1.9408



# Inverse Universe

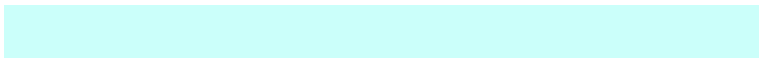
The Inverse Universe completely reimagines the original color for something new.



77.4488, 69.9153, 87.2559



74.8101, 65.4837, 83.7683



77.6143, 91.1070, 103.7733



18.4639, 18.1689, 21.0603



24.5866, 12.3239, 17.0055



2.4480, 1.2216, 1.9408



# Previews

## White Background



This preview shows how the XYZ color 77.4472, 69.9124, 87.2544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

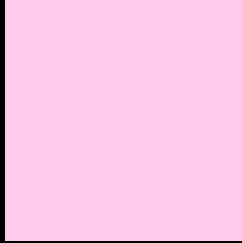
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4472, 69.9124, 87.2544 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

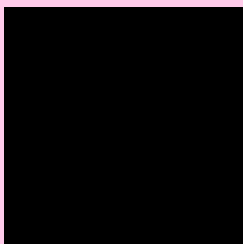
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.4472, 69.9124, 87.2544**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4472, 69.9124, 87.2544.



This preview shows how white text looks on a background with the XYZ color 77.4472, 69.9124,

87.2544.

# 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

77.4472, 69.9124, 87.2544

### Protanopia

68.8642, 70.4836, 93.9796

### Deuteranopia

71.7132, 70.2368, 86.1213



## **Tritanopia**

75.3905, 69.7657, 77.8992

# Trichromacy



## Original Color

77.4472, 69.9124, 87.2544

## Protanomaly

71.7566, 70.1420, 91.4181

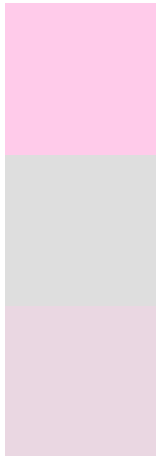
## Deuteranomaly

73.7841, 70.1849, 86.7490

## Tritanomaly

76.1934, 69.7475, 81.3983

# Monochromacy



## Original Color

77.4472, 69.9124, 87.2544

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.9596, 71.5843, 81.9760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4472, 69.9124, 87.2544 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(255, 203, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 234)  
}
```

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(255, 203, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4472, 69.9124, 87.2544 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(255, 203, 234) }
```



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

```
.border{ border-color:rgb(255, 203, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4472, 69.9124, 87.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 234) }
```

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

```
.background{ background-color: rgb(255,  
203, 234) }
```

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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