

# Converting Colors

XYZ(72.8281, 67.2668, 99.3068)

Have a look what the booklet for  
XYZ(72.8281, 67.2668, 99.3068)  
contains.

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# Color

**XYZ(72.8722, 67.2762,  
99.5873)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBCBFA
RGB	235, 203, 250
RGB Percent	92%, 80%, 98%
CMY	0.0784, 0.2039, 0.0196
CMYK	0.06, 0.19, 0.00, 0.02
HSL	281°, 82%, 89%
HSV	281°, 19%, 98%
XYZ	72.8722, 67.2762, 99.5873
YIQ	217.9260, 3.9850, 21.4010

# Conversions

## Conversions Part 2

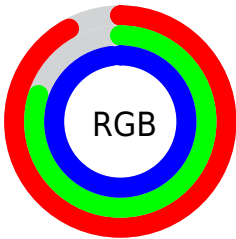
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 203, 250
Decimal	15453178
CIE Lab	85.64, 19.51, -18.89
CIE LCh	86, 27.157, 315.922
Yxy	67.2762, 0.3040, 0.2806
Android (android.graphics.Color)	4293643258 (0xFFEBCBFA)
YUV	217.9260, 15.8125, 14.9739
Hunter-Lab	82.0221, 15.0490, -14.5717

# Details

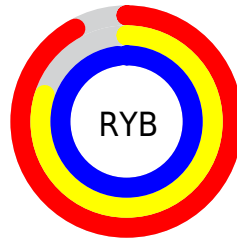
The XYZ color **72.8722, 67.2762, 99.5873** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.8810, 87.5902, 69.5159**, and the grayscale version is **66.4839, 69.9463, 76.1715**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9635, 34.9289, 55.1404** is the 20% darker color. If you saturate the color by 10%, you get **64.8627, 55.0796, 97.6563**, and if you desaturate by 10%, it is **81.9560, 81.4433, 101.8441**.

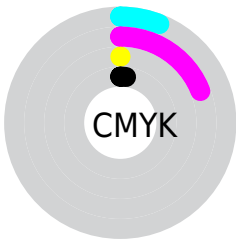
# Distribution



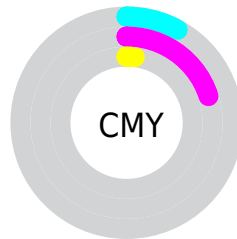
- Red (92%)
- Green (80%)
- Blue (98%)



- Red (92%)
- Yellow (80%)
- Blue (98%)



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



- Cyan (8%)
- Magenta (20%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8722, 67.2762, 99.5873 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 72.8722, 67.2762, 99.5873 by changing the saturation by 10% instead.



72.8722, 67.2762,  
99.5873

72.8722, 67.2762,  
99.5873

459.6824,  
450.9273, 580.1041

54.1595, 49.3091,  
75.3410

122.2999,  
115.3161, 162.6369

38.9603, 34.8648,  
55.3888

153.7455,  
146.1577, 202.2771

26.9095, 23.5587,  
39.3124

190.1662,  
182.0596, 247.8858

17.6415, 15.0066,  
26.6932

231.9273,  
223.4062, 299.8814

10.7910, 8.8240,  
17.1125

279.3941,  
270.5818, 358.6825

5.9927, 4.6266,  
10.1519

332.9320,

2.8813, 2.0299,

323.9710, 424.7076

5.3929

392.9063,  
383.9580, 498.3753

■ 1.0913, 0.6247,  
2.4168

■ 0.0178, 0.0000,  
0.7956

■ 72.8722, 67.2762,  
99.5873

■ 72.8722, 67.2762,  
99.5873

■ 64.8627, 55.0796,  
97.6563

■ 81.9560, 81.4433,  
101.8441

■ 57.8741, 44.7532,  
96.0314

■ 92.1518, 97.6581,  
104.4365

■ 51.8578, 36.2002,  
94.6976

■ 94.2555, 99.6822,  
104.7163

■ 46.7581, 29.3121,  
93.6369

■ 42.5133, 23.9679,  
92.8291

■ 39.0534, 20.0296,  
92.2513

■ 36.2955, 17.3343,  
91.8764

■ 34.1195, 15.6443,  
91.6649

■ 33.8785, 15.4717,  
91.6442

# Harmonies

## Analogous

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



67.2617, 67.2762, 111.1225



72.8722, 67.2762, 99.5873



76.1849, 67.2762, 81.8522

# Triad

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



72.8722, 67.2762, 99.5873



66.8802, 67.2762, 44.9372



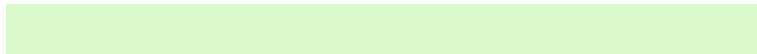
53.1775, 67.2762, 82.9969

# Complementary

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



72.8722, 67.2762, 99.5873



73.8810, 87.5902, 69.5159

# 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.



53.0900, 67.2762, 65.2770



72.8722, 67.2762, 99.5873



60.7373, 67.2762, 45.1422

# Square

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



72.8722, 67.2762, 99.5873



72.5775, 67.2762, 51.4106



55.7766, 67.2762, 52.0248



56.0239, 67.2762, 100.5410



# Rectangle

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



72.8722, 67.2762, 99.5873



76.5155, 67.2762, 69.7949



55.7766, 67.2762, 52.0248



52.8309, 67.2762, 76.8221

# Sweetspot

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



72.8743, 67.2791, 99.5888



88.5880, 89.7093, 107.2543



67.1312, 70.0908, 100.4342



18.8164, 18.9719, 22.9202



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.



72.8743, 67.2791, 99.5888



72.5544, 64.7389, 103.2796



76.8343, 69.4595, 93.4946



17.4228, 17.2306, 21.7929



18.1263, 8.2871, 48.6178



1.7890, 0.8243, 4.5080



# Inverse Universe

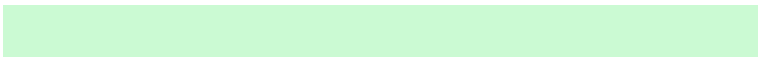
The Inverse Universe completely reimagines the original color for something new.



73.4375, 68.1008, 75.6071



73.3336, 65.8078, 73.1735



70.5536, 85.7643, 74.3572



17.4729, 17.3165, 19.0799



21.7335, 11.1091, 5.3052

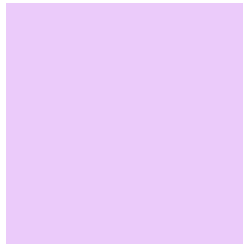


2.0590, 1.0473, 0.7339



# Previews

## White Background



This preview shows how the XYZ color 72.8722, 67.2762, 99.5873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

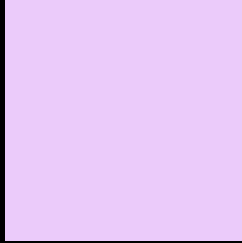
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8722, 67.2762, 99.5873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

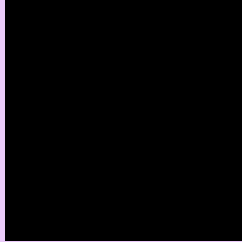
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.8722, 67.2762, 99.5873**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8722, 67.2762, 99.5873.



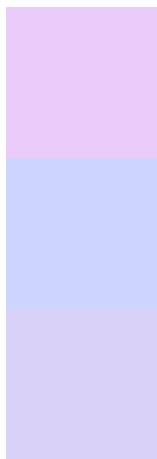
This preview shows how white text looks on a background with the XYZ color 72.8722, 67.2762,



# 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

72.8722, 67.2762, 99.5873

### Protanopia

66.7703, 67.2861, 104.0761

### Deuteranopia

68.8128, 67.3459, 98.9948



## Tritanopia

68.9654, 67.4825, 79.9116

# Trichromacy



## Original Color

72.8722, 67.2762, 99.5873

## Protanomaly

68.8490, 67.2917, 102.2884

## Deuteranomaly

70.1522, 67.3125, 98.9177

## Tritanomaly

70.0580, 67.1816, 86.3657

# Monochromacy



## Original Color

72.8722, 67.2762, 99.5873

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

68.8176, 69.1490, 84.5829

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8722, 67.2762, 99.5873 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(235, 203, 250)` looks like.

```
.text, #text, p{  
    color:rgb(235, 203, 250)  
}
```

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(235, 203, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 203, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8722, 67.2762, 99.5873 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(235, 203, 250) }
```



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

```
.border{ border-color:rgb(235, 203, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 203, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 203, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 203, 250);  
box-shadow:4px 4px 4px 4px rgb(235, 203,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8722, 67.2762, 99.5873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 203, 250) }
```

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

```
.background{ background-color: rgb(235,  
203, 250) }
```

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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