

# Converting Colors

XYZ(72.1029, 68.8883, 89.6173)

Have a look what the booklet for  
XYZ(72.1029, 68.8883, 89.6173)  
contains.

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# Color

**XYZ(72.1029, 68.8883,  
89.6173)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBD0ED
RGB	235, 208, 237
RGB Percent	92%, 82%, 93%
CMY	0.0784, 0.1843, 0.0706
CMYK	0.01, 0.12, 0.00, 0.07
HSL	296°, 45%, 87%
HSV	296°, 12%, 93%
XYZ	72.1029, 68.8883, 89.6173
YIQ	219.3790, 6.7830, 14.7430

# Conversions

## Conversions Part 2

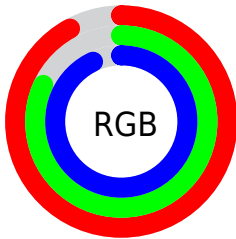
Format	Color
R <sub>Y</sub> B	235, 208, 237
Decimal	15454445
CIE Lab	86.45, 14.42, -10.79
CIE LCh	86, 18.014, 323.183
Yxy	68.8883, 0.3127, 0.2987
Android (android.graphics.Color)	4293644525 (0xFFEBD0ED)
YUV	219.3790, 8.6872, 13.6996
Hunter-Lab	82.9990, 9.8184, -5.9185

# Details

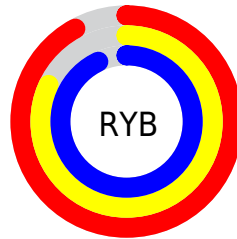
The XYZ color **72.1029, 68.8883, 89.6173** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.2501, 78.8258, 71.2956**, and the grayscale version is **67.5350, 71.0521, 77.3757**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4865, 36.0311, 48.6423** is the 20% darker color. If you saturate the color by 10%, you get **66.2145, 57.9079, 87.8092**, and if you desaturate by 10%, it is **78.8637, 81.6039, 91.7164**.

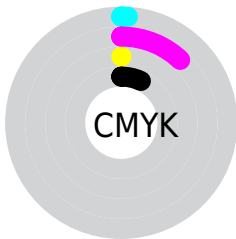
# Distribution



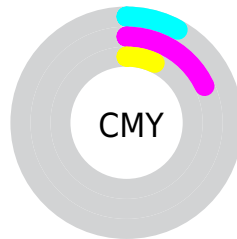
- Red (92%)
- Green (82%)
- Blue (93%)



- Red (92%)
- Yellow (82%)
- Blue (93%)



- Cyan (1%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (18%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1029, 68.8883, 89.6173 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 72.1029, 68.8883, 89.6173 by changing the saturation by 10% instead.



72.1029, 68.8883,  
89.6173

72.1029, 68.8883,  
89.6173

457.0518,  
456.6369, 547.3231

53.5285, 50.6207,  
67.0914

121.2128,  
117.6220, 148.7376

38.4540, 35.9069,  
48.6968

152.4791,  
148.8570, 186.1690

26.5141, 24.3623,  
34.0151

188.7066,  
185.1832, 229.4059

17.3433, 15.6026,  
22.6278

230.2609,  
226.9851, 278.8670

10.5764, 9.2434,  
14.1162

277.5071,  
274.6470, 334.9707

5.8479, 4.9003,  
8.0618

330.8108,

2.7926, 2.1889,

328.5533, 398.1356

4.0462

390.5372,  
389.0885, 468.7802

■ 1.0451, 0.7139,  
1.6507

■ 0.0000, 0.0000,  
0.3266

■ 72.1029, 68.8883,  
89.6173

■ 72.1029, 68.8883,  
89.6173

■ 66.2145, 57.9079,  
87.8092

■ 78.8637, 81.6039,  
91.7164

■ 61.1543, 48.5775,  
86.2750

■ 86.3970, 95.8585,  
94.0707

■ 56.8832, 40.8181,  
85.0024

■ 86.9492, 96.1431,  
94.0966

■ 53.3566, 34.5405,  
83.9766

■ 87.5063, 96.4303,  
94.1226

50.5257, 29.6468,  
83.1812

88.0684, 96.7201,  
94.1489

48.3354, 26.0271,  
82.5980

88.6355, 97.0125,  
94.1755

46.7225, 23.5551,  
82.2058

89.2077, 97.3074,  
94.2023

45.6109, 22.0784,  
81.9794

89.7849, 97.6050,  
94.2293

45.0009, 21.4329,  
81.8869

90.3672, 97.9052,  
94.2565

# Harmonies

## Analogous

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



68.6817, 68.8883, 98.1426



72.1029, 68.8883, 89.6173



73.7592, 68.8883, 77.7646

# Triad

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



72.1029, 68.8883, 89.6173



66.4320, 68.8883, 54.4508



58.3831, 68.8883, 84.4095

# Complementary

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



72.1029, 68.8883, 89.6173



68.2501, 78.8258, 71.2956

# 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.



57.8378, 68.8883, 72.3167



72.1029, 68.8883, 89.6173



62.3721, 68.8883, 55.8280

# Square

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



72.1029, 68.8883, 89.6173



70.3964, 68.8883, 58.0951



59.2686, 68.8883, 62.0789



60.7909, 68.8883, 94.9201



# Rectangle

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



72.1029, 68.8883, 89.6173



73.5921, 68.8883, 69.8946



59.2686, 68.8883, 62.0789



57.9802, 68.8883, 80.3642

# Sweetspot

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



72.1049, 68.8913, 89.6188



91.6236, 93.5307, 107.8319



64.4510, 65.8268, 89.4307



19.4774, 19.7672, 23.0388



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.



72.1049, 68.8913, 89.6188



83.0747, 77.4801, 105.1844



71.0623, 68.5509, 80.6630



15.6063, 15.2578, 19.0448



24.6145, 11.7252, 44.7088



1.9637, 0.9366, 3.5122



# Inverse Universe

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



69.1161, 67.7724, 70.4145



78.8258, 75.8918, 77.7798



69.2283, 79.1517, 79.3996



15.1076, 15.0709, 15.8519



19.1372, 9.8576, 1.2577

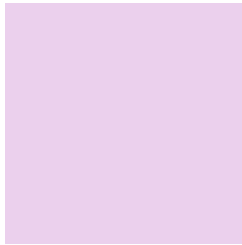


1.5175, 0.7800, 0.1766



# Previews

## White Background



This preview shows how the XYZ color 72.1029, 68.8883, 89.6173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

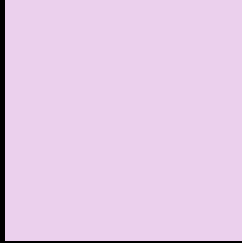
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1029, 68.8883, 89.6173 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 72.1029, 68.8883, 89.6173**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1029, 68.8883, 89.6173.



This preview shows how white text looks on a background with the XYZ color 72.1029, 68.8883,

89.6173.

# 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

72.1029, 68.8883, 89.6173

### Protanopia

67.6182, 69.0979, 92.9925

### Deuteranopia

70.3276, 68.7016, 89.6748



## Tritanopia

70.3783, 68.9078, 81.5427

# Trichromacy



## Original Color

72.1029, 68.8883, 89.6173

## Protanomaly

69.0905, 68.7504, 92.0668

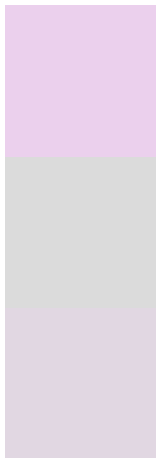
## Deuteranomaly

71.0415, 68.7043, 89.6377

## Tritanomaly

71.0151, 68.8065, 84.4010

# Monochromacy



## Original Color

72.1029, 68.8883, 89.6173

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

69.0792, 70.0994, 81.8412

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1029, 68.8883, 89.6173 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, 208, 237)` looks like.

```
.text, #text, p{  
    color:rgb(235, 208, 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(235, 208, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 208, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1029, 68.8883, 89.6173 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, 208, 237) }
```



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

```
.border{ border-color:rgb(235, 208, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 208, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 208, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 208, 237);  
box-shadow:4px 4px 4px 4px rgb(235, 208,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1029, 68.8883, 89.6173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 208, 237) }
```

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

```
.background{ background-color: rgb(235,  
208, 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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