

# Converting Colors

XYZ(72.8523, 71.4490, 83.1204)

Have a look what the booklet for  
XYZ(72.8523, 71.4490, 83.1204)  
contains.

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# Color

**XYZ(72.7229, 71.1945,  
83.3078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDD5E4
RGB	237, 213, 228
RGB Percent	93%, 84%, 89%
CMY	0.0706, 0.1647, 0.1059
CMYK	0.00, 0.10, 0.04, 0.07
HSL	323°, 40%, 88%
HSV	323°, 10%, 93%
XYZ	72.7229, 71.1945, 83.3078
YIQ	221.8860, 9.4890, 9.7530

# Conversions

## Conversions Part 2

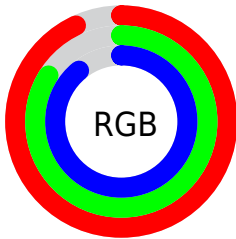
Format	Color
R <sub>Y</sub> B	237, 213, 228
Decimal	15586788
CIE Lab	87.58, 10.85, -4.34
CIE LCh	88, 11.686, 338.203
Yxy	71.1945, 0.3200, 0.3133
Android (android.graphics.Color)	4293776868 (0xFFEDD5E4)
YUV	221.8860, 3.0142, 13.2550
Hunter-Lab	84.3768, 6.1865, 0.5250

# Details

The XYZ color **72.7229, 71.1945, 83.3078** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9123, 79.9903, 80.8133**, and the grayscale version is **69.3272, 72.9376, 79.4290**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8257, 37.2946, 44.6874** is the 20% darker color. If you saturate the color by 10%, you get **65.9899, 59.6519, 75.1314**, and if you desaturate by 10%, it is **80.3946, 84.5109, 92.1119**.

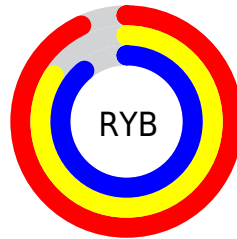
# Distribution



Red (93%)

Green (84%)

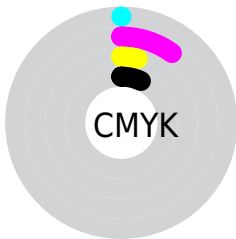
Blue (89%)



Red (93%)

Yellow (84%)

Blue (89%)

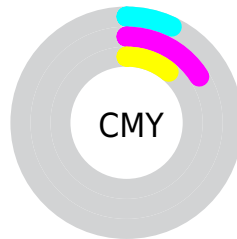


Cyan (0%)

Magenta (10%)

Yellow (4%)

Black (7%)



Cyan (7%)

Magenta (16%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7229, 71.1945, 83.3078 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 72.7229, 71.1945, 83.3078 by changing the saturation by 10% instead.




 72.7229, 71.1945,  
83.3078

 72.7229, 71.1945,  
83.3078


459.1725,  
464.7331, 526.0096

 54.0370, 52.5009,  
61.9020

122.0890,  
120.9106, 139.8596

 38.8620, 37.4045,  
44.5183

153.4999,  
152.7020, 175.8426

 26.8326, 25.5208,  
30.7380


189.8832,  
189.6281, 217.5219

 17.5835, 16.4655,  
20.1426

231.6042,  
232.0733, 265.3158

 10.7493, 9.8542,  
12.3136

279.0282,  
280.4220, 319.6430

 5.9645, 5.3024,  
6.8325

332.5208,

 2.8640, 2.4257,

335.0586, 380.9220

3.2807

392.4471,  
396.3675, 449.5714

■ 1.0822, 0.8391,  
1.2397

■ 0.0102, 0.0000,  
0.0116

■ 72.7229, 71.1945,  
83.3078

■ 72.7229, 71.1945,  
83.3078

■ 65.9899, 59.6519,  
75.1314

■ 80.3946, 84.5109,  
92.1119

■ 60.1508, 49.7982,  
67.5605

■ 87.2862, 96.1650,  
100.9727

■ 55.1664, 41.5554,  
60.5782

■ 88.6822, 96.7234,  
108.3236

■ 50.9920, 34.8355,  
54.1647

■ 88.7355, 96.7447,  
108.6045

■ 47.5785, 29.5424,  
48.2985

■ 44.8716, 25.5685,  
42.9566

■ 42.8088, 22.7912,  
38.1127

■ 41.3163, 21.0643,  
33.7370

■ 40.2796, 20.1464,  
29.8288

# Harmonies

## Analogous

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



71.0080, 71.1945, 90.1028



72.7229, 71.1945, 83.3078



73.0650, 71.1945, 75.3676

# Triad

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



72.7229, 71.1945, 83.3078



66.9129, 71.1945, 63.4109



63.5779, 71.1945, 87.3163

# Complementary

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



72.7229, 71.1945, 83.3078



70.9123, 79.9903, 80.8133

# 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.



62.5440, 71.1945, 79.7104



72.7229, 71.1945, 83.3078



64.4349, 71.1945, 66.1645

# Square

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



72.7229, 71.1945, 83.3078



69.6605, 71.1945, 64.2299



62.8534, 71.1945, 72.0042



65.7143, 71.1945, 92.5246



# Rectangle

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



72.7229, 71.1945, 83.3078



72.4599, 71.1945, 70.5468



62.8534, 71.1945, 72.0042



63.0926, 71.1945, 84.9354

# Sweetspot

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



72.7249, 71.1976, 83.3093



92.1993, 95.0324, 105.6878



69.1461, 69.2045, 89.8352



19.5751, 20.0637, 22.4403



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.



72.7249, 71.1976, 83.3093



84.2601, 81.2893, 96.4582



71.1424, 70.5646, 74.9755



15.4614, 15.2124, 17.7148



22.0566, 11.0253, 16.6312



1.7784, 0.8843, 1.5502



# Inverse Universe

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



72.7249, 71.1976, 83.3093



84.2601, 81.2893, 96.4582



72.5496, 80.6452, 89.4351



15.4614, 15.2124, 17.7148



22.0566, 11.0253, 16.6312

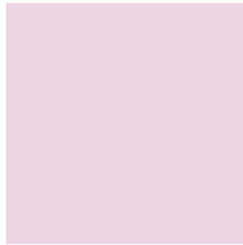


1.7784, 0.8843, 1.5502



# Previews

## White Background



This preview shows how the XYZ color 72.7229, 71.1945, 83.3078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

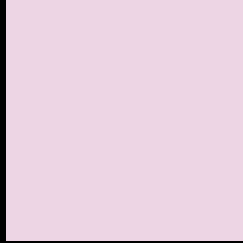
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7229, 71.1945, 83.3078 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

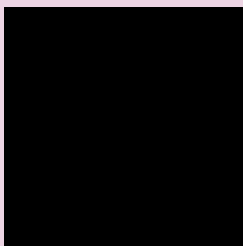
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.7229, 71.1945, 83.3078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7229, 71.1945, 83.3078.



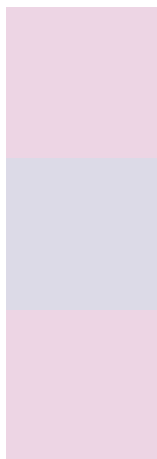
This preview shows how white text looks on a background with the XYZ color 72.7229, 71.1945,



# 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

72.7229, 71.1945, 83.3078

### Protanopia

69.0104, 71.1280, 85.6931

### Deuteranopia

72.7229, 71.1945, 83.3078



## Tritanopia

72.8622, 71.2502, 84.0411

# Trichromacy



## Original Color

72.7229, 71.1945, 83.3078

## Protanomaly

70.2028, 70.9937, 84.8660

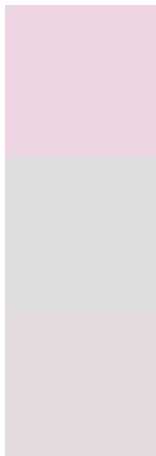
## Deuteranomaly

72.7229, 71.1945, 83.3078

## Tritanomaly

72.8622, 71.2502, 84.0411

# Monochromacy



## Original Color

72.7229, 71.1945, 83.3078

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

70.4646, 72.3757, 80.7770

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7229, 71.1945, 83.3078 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(237, 213, 228) looks like.

```
.text, #text, p{  
    color:rgb(237, 213, 228)  
}
```

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(237, 213, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 213, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7229, 71.1945, 83.3078 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(237, 213, 228) }
```



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

```
.border{ border-color:rgb(237, 213, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 213, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 213, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 213, 228);  
box-shadow:4px 4px 4px 4px rgb(237, 213,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7229, 71.1945, 83.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 213, 228) }
```

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

```
.background{ background-color: rgb(237,  
213, 228) }
```

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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