

# Converting Colors

XYZ(73.6526, 72.6336, 88.4538)

Have a look what the booklet for  
XYZ(73.6526, 72.6336, 88.4538)  
contains.

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# Color

**XYZ(73.8122, 72.7721,  
88.7534)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBD8EB
RGB	235, 216, 235
RGB Percent	92%, 85%, 92%
CMY	0.0784, 0.1529, 0.0784
CMYK	0.00, 0.08, 0.00, 0.08
HSL	300°, 32%, 88%
HSV	300°, 8%, 92%
XYZ	73.8122, 72.7721, 88.7534
YIQ	223.8470, 5.2250, 9.9370

# Conversions

## Conversions Part 2

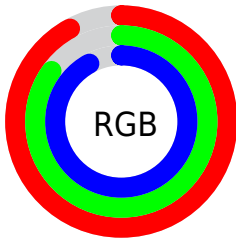
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 216, 235
Decimal	15456491
CIE Lab	88.34, 9.85, -6.93
CIE LCh	88, 12.044, 324.862
Yxy	72.7721, 0.3136, 0.3092
Android (android.graphics.Color)	4293646571 (0xFFEBD8EB)
YUV	223.8470, 5.4984, 9.7812
Hunter-Lab	85.3066, 5.1621, -1.9710

# Details

The XYZ color **73.8122, 72.7721, 88.7534** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.4247, 78.9755, 76.5015**, and the grayscale version is **70.7035, 74.3856, 81.0059**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4720, 38.3281, 47.9655** is the 20% darker color. If you saturate the color by 10%, you get **68.2178, 61.5822, 86.8895**, and if you desaturate by 10%, it is **80.2718, 85.6902, 90.9075**.

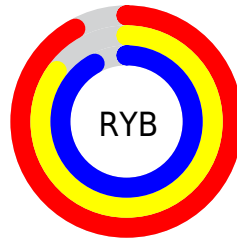
# Distribution



Red (92%)

Green (85%)

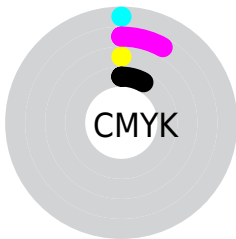
Blue (92%)



Red (92%)

Yellow (85%)

Blue (92%)

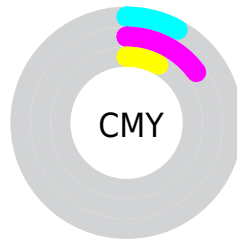


Cyan (0%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (15%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8122, 72.7721, 88.7534 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 73.8122, 72.7721, 88.7534 by changing the saturation by 10% instead.



73.8122, 72.7721,  
88.7534

73.8122, 72.7721,  
88.7534

462.8853,  
470.2246, 544.4324

54.9311, 53.7896,  
66.3793

123.6265,  
123.1536, 147.5259

39.5802, 38.4335,  
48.1220

155.2904,  
155.3215, 184.7615

27.3941, 26.3193,  
33.5628

191.9459,  
192.6532, 227.7879

18.0075, 17.0627,  
22.2833

233.9584,  
235.5333, 277.0238

11.0551, 10.2792,  
13.8649

281.6932,  
284.3461, 332.8876

6.1715, 5.5845,  
7.8891

335.5157,

2.9913, 2.5941,

339.4759, 395.7980

3.9373

395.7913,  
401.3073, 466.1734

■ 1.1492, 0.9237,  
1.5910

■ 0.0656, 0.0000,  
0.2844

■ 73.8122, 72.7721,  
88.7534

■ 73.8122, 72.7721,  
88.7534

■ 68.2178, 61.5822,  
86.8895

■ 80.2718, 85.6902,  
90.9075

■ 63.4459, 52.0385,  
85.2989

■ 85.0171, 95.1807,  
92.4892

■ 59.4597, 44.0661,  
83.9701

■ 85.0171, 95.1807,  
92.4892

■ 56.2170, 37.5809,  
82.8893

■ 85.0172, 95.1807,  
92.4892

53.6719, 32.4907,  
82.0409

85.0172, 95.1807,  
92.4892

51.7732, 28.6933,  
81.4080

85.0173, 95.1808,  
92.4892

50.4627, 26.0725,  
80.9712

85.0173, 95.1808,  
92.4892

49.6721, 24.4912,  
80.7077

85.0173, 95.1808,  
92.4892

49.3056, 23.7582,  
80.5855

85.0174, 95.1808,  
92.4892

# Harmonies

## Analogous

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



71.5304, 72.7721, 94.5709



73.8122, 72.7721, 88.7534



74.8512, 72.7721, 80.6701

# Triad

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



73.8122, 72.7721, 88.7534



69.6665, 72.7721, 64.4193



64.2473, 72.7721, 86.1176

# Complementary

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



73.8122, 72.7721, 88.7534



70.4247, 78.9755, 76.5015

# 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.



63.7794, 72.7721, 77.8198



73.8122, 72.7721, 88.7534



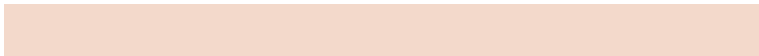
66.8576, 72.7721, 65.6563

# Square

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



73.8122, 72.7721, 88.7534



72.4155, 72.7721, 66.9216



64.7222, 72.7721, 70.4254



66.0185, 72.7721, 92.9764

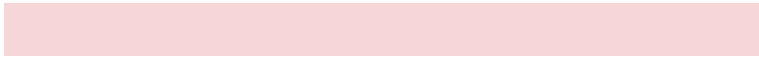


# Rectangle

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



73.8122, 72.7721, 88.7534



74.6789, 72.7721, 75.2241



64.7222, 72.7721, 70.4254



63.9345, 72.7721, 83.3890

# Sweetspot

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



73.8143, 72.7752, 88.7550



93.4445, 96.7891, 108.3648



67.9547, 69.8750, 88.5040



20.0178, 20.7505, 23.2001



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.



73.8143, 72.7752, 88.7550



87.4478, 84.7957, 106.3660



72.5215, 72.2581, 81.9471



15.7149, 15.3138, 19.0498



27.4132, 13.1679, 44.8398



2.1526, 1.0340, 3.5210

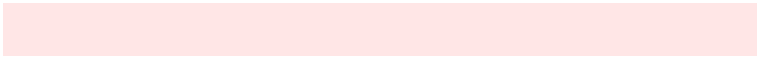


# Inverse Universe

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



71.2141, 71.7352, 75.0625



83.6107, 83.2609, 86.1596



71.6454, 79.4637, 82.9299



15.0655, 15.0541, 15.6304



19.0678, 9.8298, 0.8924

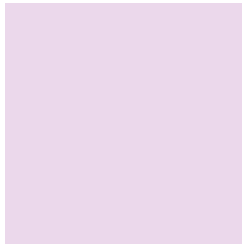


1.4973, 0.7719, 0.0701



# Previews

## White Background



This preview shows how the XYZ color 73.8122, 72.7721, 88.7534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

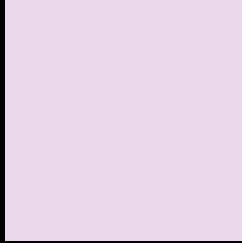
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8122, 72.7721, 88.7534 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

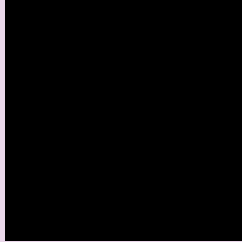
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.8122, 72.7721, 88.7534

## Background



This preview shows how black text looks on a background with the XYZ color 73.8122, 72.7721, 88.7534.



This preview shows how white text looks on a background with the XYZ color 73.8122, 72.7721,



# 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

73.8122, 72.7721, 88.7534

### Protanopia

70.8446, 72.7316, 91.1936

### Deuteranopia

74.2209, 72.6036, 88.6993



## **Tritanopia**

73.5248, 72.6571, 87.2398

# Trichromacy



## Original Color

73.8122, 72.7721, 88.7534

## Protanomaly

71.9816, 72.9462, 90.4070

## Deuteranomaly

73.8879, 72.4319, 88.6837

## Tritanomaly

73.6681, 72.7144, 87.9945

# Monochromacy



## Original Color

73.8122, 72.7721, 88.7534

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.8550, 73.8083, 83.8581

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8122, 72.7721, 88.7534 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, 216, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 216, 235)  
}
```

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, 216, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 216, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8122, 72.7721, 88.7534 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, 216, 235) }
```



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

```
.border{ border-color:rgb(235, 216, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 216, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 216, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 216, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 216,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8122, 72.7721, 88.7534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 216, 235) }
```

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

```
.background{ background-color: rgb(235,  
216, 235) }
```

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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