

# Converting Colors

XYZ(73.0352, 72.8623, 78.0295)

Have a look what the booklet for  
XYZ(73.0352, 72.8623, 78.0295)  
contains.

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# **Color**

**XYZ(72.9910, 72.9702,  
77.9478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EED9DC
RGB	238, 217, 220
RGB Percent	93%, 85%, 86%
CMY	0.0667, 0.1490, 0.1372
CMYK	0.00, 0.09, 0.08, 0.07
HSL	351°, 38%, 89%
HSV	351°, 9%, 93%
XYZ	72.9910, 72.9702, 77.9478
YIQ	223.6210, 11.5530, 5.3850

# Conversions

## Conversions Part 2

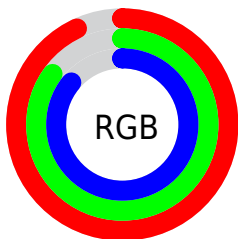
Format	Color
R <sub>Y</sub> B	238, 217, 220
Decimal	15653340
CIE Lab	88.43, 7.73, 1.14
CIE LCh	88, 7.815, 8.415
Yxy	72.9702, 0.3260, 0.3259
Android (android.graphics.Color)	4293843420 (0xFFEED9DC)
YUV	223.6210, -1.7852, 12.6104
Hunter-Lab	85.4226, 3.0333, 5.6939

# Details

The XYZ color **72.9910, 72.9702, 77.9478** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.1880, 81.9007, 90.4995**, and the grayscale version is **70.5894, 74.2656, 80.8752**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0033, 38.5024, 40.9733** is the 20% darker color. If you saturate the color by 10%, you get **64.7540, 60.5596, 62.6735**, and if you desaturate by 10%, it is **82.4466, 87.2885, 95.2573**.

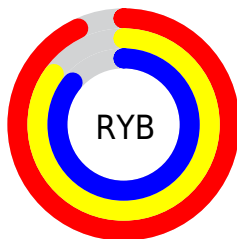
# Distribution



Red (93%)

Green (85%)

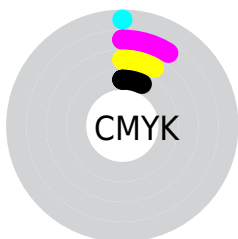
Blue (86%)



Red (93%)

Yellow (85%)

Blue (86%)

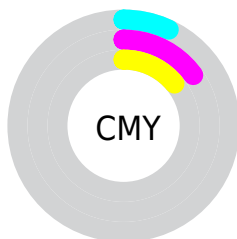


Cyan (0%)

Magenta (9%)

Yellow (8%)

Black (7%)



Cyan (7%)

Magenta (15%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9910, 72.9702, 77.9478 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 72.9910, 72.9702, 77.9478 by changing the saturation by 10% instead.




 72.9910, 72.9702,  
77.9478

 72.9910, 72.9702,  
77.9478

460.0879,  
470.9115, 507.5128

 54.2570, 53.9516,  
57.5149


122.4676,  
123.4349, 132.2617

 39.0386, 38.5630,  
41.0067


153.9409,  
155.6498, 166.9799

 26.9706, 26.4199,  
28.0046


190.3914,  
193.0322, 207.2968

 17.6876, 17.1380,  
18.0900


232.1843,  
235.9666, 253.6311

 10.8243, 10.3330,  
10.8445

279.6850,  
284.8374, 306.4013

 6.0152, 5.6203,  
5.8495

333.2590,

 2.8951, 2.6156,

340.0288, 366.0260

2.6865

393.2715,  
401.9254, 432.9236

■ 1.0985, 0.9345,  
0.9366

■ 0.0239, 0.0000,  
0.0000

■ 72.9910, 72.9702,  
77.9478

■ 72.9910, 72.9702,  
77.9478

■ 64.7540, 60.5596,  
62.6735

■ 82.4466, 87.2885,  
95.2573

■ 57.6800, 49.9669,  
49.3549

■ 89.0702, 96.9173,  
108.6202

■ 51.7181, 41.1096,  
37.9142

■ 46.8113, 33.8948,  
28.2663

■ 42.8973, 28.2212,  
20.3199

■ 39.9074, 23.9762,  
13.9753

■ 37.7639, 21.0316,  
9.1223

■ 36.3759, 19.2363,  
5.6365

■ 35.6147, 18.3678,  
3.3667

# Harmonies

## Analogous

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



72.7694, 72.9702, 83.3189



72.9910, 72.9702, 77.9478



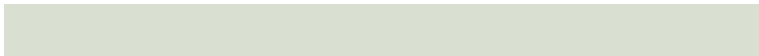
72.2249, 72.9702, 73.1960

# Triad

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



72.9910, 72.9702, 77.9478



67.1357, 72.9702, 71.6190



68.0356, 72.9702, 89.4652

# Complementary

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



72.9910, 72.9702, 77.9478



74.1880, 81.9007, 90.4995

# 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.



66.5641, 72.9702, 86.0550



72.9910, 72.9702, 77.9478



66.0510, 72.9702, 75.7069

# Square

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



72.9910, 72.9702, 77.9478



68.8287, 72.9702, 69.6516



65.8437, 72.9702, 80.9757



69.8860, 72.9702, 90.1315



# Rectangle

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



72.9910, 72.9702, 77.9478



71.2652, 72.9702, 70.9614



65.8437, 72.9702, 80.9757



67.4812, 72.9702, 88.5946

# Sweetspot

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



72.9931, 72.9734, 77.9494



91.6198, 94.8006, 102.6360



74.4591, 73.4387, 91.1404



19.4190, 20.0013, 21.6180



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.



72.9931, 72.9734, 77.9494



83.1125, 81.9377, 87.0011



74.5363, 76.6892, 76.5236



15.8647, 15.7956, 16.8435



19.8601, 10.2165, 1.9141



1.6803, 0.8612, 0.3075



# Inverse Universe

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



72.9931, 72.9734, 77.9494



83.1125, 81.9377, 87.0011



72.5286, 77.8833, 92.1000



15.8647, 15.7956, 16.8435



19.8601, 10.2165, 1.9141

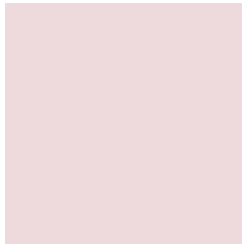


1.6803, 0.8612, 0.3075



# Previews

## White Background



This preview shows how the XYZ color 72.9910, 72.9702, 77.9478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

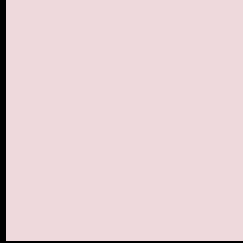
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9910, 72.9702, 77.9478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

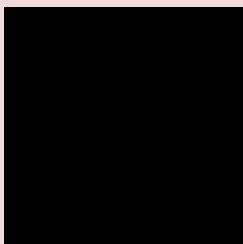
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.9910, 72.9702, 77.9478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.9910, 72.9702, 77.9478.



This preview shows how white text looks on a background with the XYZ color 72.9910, 72.9702,

77.9478.

# 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

72.9910, 72.9702, 77.9478

### Protanopia

70.4053, 73.1556, 79.5169

### Deuteranopia

74.5269, 73.0013, 77.8728



## Tritanopia

74.8011, 72.9523, 86.4827

# Trichromacy



## Original Color

72.9910, 72.9702, 77.9478

## Protanomaly

71.2775, 73.2299, 78.7847

## Deuteranomaly

74.0921, 73.1563, 77.9256

## Tritanomaly

74.1561, 73.0639, 83.5931

# Monochromacy



## Original Color

72.9910, 72.9702, 77.9478

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.4888, 73.6986, 80.2694

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9910, 72.9702, 77.9478 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(238, 217, 220)` looks like.

```
.text, #text, p{  
    color:rgb(238, 217, 220)  
}
```

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(238, 217, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 217, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9910, 72.9702, 77.9478 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(238, 217, 220) }
```



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

```
.border{ border-color:rgb(238, 217, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 217, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 217, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 217, 220);  
box-shadow:4px 4px 4px 4px rgb(238, 217,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9910, 72.9702, 77.9478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 217, 220) }
```

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

```
.background{ background-color: rgb(238,  
217, 220) }
```

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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