

# Converting Colors

XYZ(75.7222, 77.2616, 88.8162)

Have a look what the booklet for  
XYZ(75.7222, 77.2616, 88.8162)  
contains.

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# Color

**XYZ(75.7082, 77.2834,  
88.7688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE1EA
RGB	234, 225, 234
RGB Percent	92%, 88%, 92%
CMY	0.0823, 0.1176, 0.0823
CMYK	0.00, 0.04, 0.00, 0.08
HSL	300°, 18%, 90%
HSV	300°, 4%, 92%
XYZ	75.7082, 77.2834, 88.7688
YIQ	228.7170, 2.4750, 4.7070

# Conversions

## Conversions Part 2

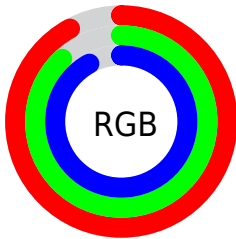
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">234, 225, 234</a>
Decimal	<a href="#">15393258</a>
CIELab	<a href="#">90.45, 4.64, -3.30</a>
CIELCh	<a href="#">90, 5.696, 324.603</a>
Yxy	<a href="#">77.2834, 0.3132, 0.3197</a>
Android (android.graphics.Color)	<a href="#">4293583338</a> ( <a href="#">0xFFEAE1EA</a> )
YUV	<a href="#">228.7170, 2.6045, 4.6332</a>
Hunter-Lab	<a href="#">87.9110, -0.1215, 1.6691</a>

# Details

The XYZ color **75.7082, 77.2834, 88.7688** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.0677, 80.2915, 82.8322**, and the grayscale version is **74.2503, 78.1171, 85.0696**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7707, 41.4288, 47.9672** is the 20% darker color. If you saturate the color by 10%, you get **69.8117, 65.4894, 86.8041**, and if you desaturate by 10%, it is **82.4760, 90.8179, 91.0258**.

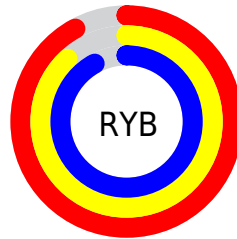
# Distribution



Red (92%)

Green (88%)

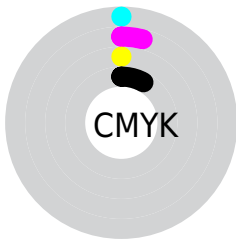
Blue (92%)



Red (92%)

Yellow (88%)

Blue (92%)

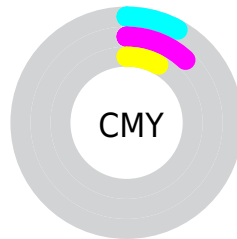


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7082, 77.2834, 88.7688 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 75.7082, 77.2834, 88.7688 by changing the saturation by 10% instead.



75.7082, 77.2834,  
88.7688

75.7082, 77.2834,  
88.7688

469.3080,  
485.7297, 544.4840

56.4895, 57.4855,  
66.3920

126.2969,  
129.5395, 147.5476

40.8340, 41.3952,  
48.1322

158.3976,  
162.7664, 184.7866

28.3765, 28.6280,  
33.5709

195.5230,  
201.2385, 227.8168

18.7516, 18.7996,  
22.2894

238.0385,  
245.3401, 277.0567

11.5939, 11.5255,  
13.8694

286.3093,  
295.4556, 332.9248

6.5380, 6.4215,  
7.8922

340.7010,

3.2186, 3.1030,

351.9695, 395.8397

3.9392

401.5787,  
415.2661, 466.2199

■ 1.2704, 1.1858,  
1.5921

■ 0.1609, 0.0500,  
0.2851

■ 75.7082, 77.2834,  
88.7688

■ 75.7082, 77.2834,  
88.7688

■ 69.8117, 65.4894,  
86.8041

■ 82.4760, 90.8179,  
91.0258

■ 64.7449, 55.3558,  
85.1150

■ 84.5438, 94.9533,  
91.7153

■ 60.4725, 46.8111,  
83.6907

■ 84.5438, 94.9533,  
91.7154

■ 56.9544, 39.7748,  
82.5178

■ 84.5438, 94.9533,  
91.7156

54.1466, 34.1594,  
81.5817

84.5439, 94.9534,  
91.7158

52.0010, 29.8681,  
80.8663

84.5439, 94.9534,  
91.7160

50.4631, 26.7926,  
80.3536

84.5439, 94.9534,  
91.7162

49.4703, 24.8069,  
80.0224

84.5440, 94.9534,  
91.7163

48.9459, 23.7582,  
79.8475

84.5440, 94.9534,  
91.7165

# Harmonies

## Analogous

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



74.6004, 77.2834, 91.4749



75.7082, 77.2834, 88.7688



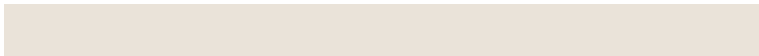
76.2129, 77.2834, 84.8876

# Triad

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



75.7082, 77.2834, 88.7688



73.7132, 77.2834, 76.5870



70.9962, 77.2834, 87.4526

# Complementary

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



75.7082, 77.2834, 88.7688



74.0677, 80.2915, 82.8322

# 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.



70.7655, 77.2834, 83.4137



75.7082, 77.2834, 88.7688



72.3225, 77.2834, 77.2241

# Square

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



75.7082, 77.2834, 88.7688



75.0516, 77.2834, 77.9221



71.2480, 77.2834, 79.6913



71.8823, 77.2834, 90.6980



# Rectangle

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



75.7082, 77.2834, 88.7688



76.1348, 77.2834, 82.1886



71.2480, 77.2834, 79.6913



70.8399, 77.2834, 86.1392

# Sweetspot

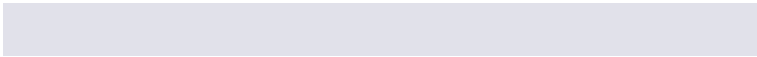
The Sweet Spot groups the original color and five complimentary colors.



75.7104, 77.2867, 88.7705



94.2419, 98.3838, 108.6306



72.8313, 75.8025, 88.6358



20.1802, 21.0752, 23.2543



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.



75.7104, 77.2867, 88.7705



91.1166, 92.1332, 107.5888



75.0722, 77.0314, 85.4097



16.2093, 16.3026, 19.2146



27.4132, 13.1680, 44.8388



2.1526, 1.0340, 3.5209



# Inverse Universe

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



75.7104, 77.2867, 88.7705



91.1166, 92.1332, 107.5888



74.6896, 80.5403, 86.1072



16.2093, 16.3026, 19.2146



27.4132, 13.1680, 44.8388

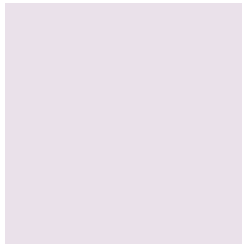


2.1526, 1.0340, 3.5209



# Previews

## White Background



This preview shows how the XYZ color 75.7082, 77.2834, 88.7688 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

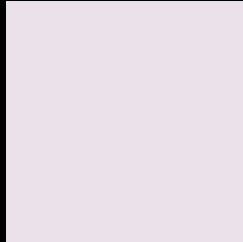
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.7082, 77.2834, 88.7688 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

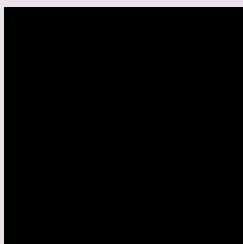
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

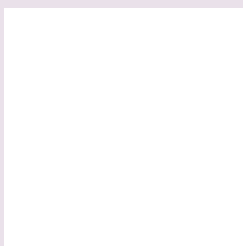
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.7082, 77.2834, 88.7688**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.7082, 77.2834, 88.7688.



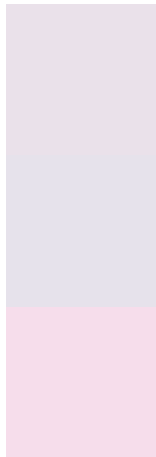
This preview shows how white text looks on a background with the XYZ color 75.7082, 77.2834,

88.7688.

# 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

75.7082, 77.2834, 88.7688

### Protanopia

74.8249, 77.2139, 89.5573

### Deuteranopia

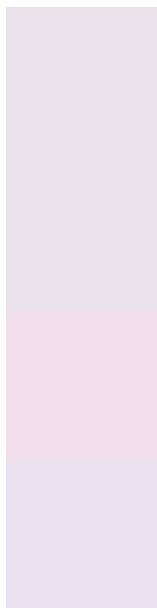
78.8579, 77.3039, 89.3621



## Tritanopia

76.7938, 77.3244, 94.0967

# Trichromacy



## Original Color

75.7082, 77.2834, 88.7688

## Protanomaly

75.1467, 77.3798, 89.5724

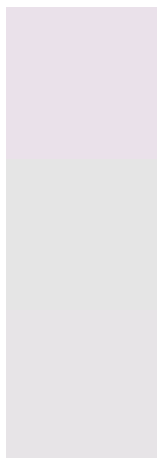
## Deuteranomaly

77.7346, 77.1180, 89.3855

## Tritanomaly

76.3492, 77.1465, 91.7557

# Monochromacy



## Original Color

75.7082, 77.2834, 88.7688

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.1222, 78.2453, 86.7448

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.7082, 77.2834, 88.7688 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(234, 225, 234) looks like.

```
.text, #text, p{  
    color:rgb(234, 225, 234)  
}
```

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(234, 225, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 225, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 75.7082, 77.2834, 88.7688 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(234, 225, 234) }
```



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

```
.border{ border-color:rgb(234, 225, 234) }
```

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

Here you see how a box with a 4 pixel rgb(234, 225, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 225, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 225, 234);  
box-shadow:4px 4px 4px 4px rgb(234, 225,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.7082, 77.2834, 88.7688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 225, 234) }
```

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

```
.background{ background-color: rgb(234,  
225, 234) }
```

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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