

# Converting Colors

XYZ(75.2044, 76.9151, 88.9203)

Have a look what the booklet for  
XYZ(75.2044, 76.9151, 88.9203)  
contains.

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# Color

**XYZ(75.3808, 77.1146,  
88.7535)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | E9E1EA                    |
| RGB         | 233, 225, 234             |
| RGB Percent | 91%, 88%, 92%             |
| CMY         | 0.0863, 0.1176, 0.0823    |
| CMYK        | 0.00, 0.04, 0.00, 0.08    |
| HSL         | 293°, 18%, 90%            |
| HSV         | 293°, 4%, 92%             |
| XYZ         | 75.3808, 77.1146, 88.7535 |
| YIQ         | 228.4180, 1.8790, 4.4950  |

# Conversions

## Conversions Part 2

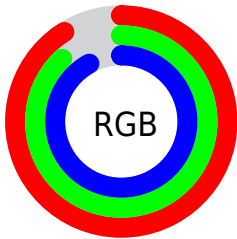
| <b>Format</b>                       | <b>Color</b>                |
|-------------------------------------|-----------------------------|
| <b>R<sub>YB</sub></b>               | 233, 225, 234               |
| Decimal                             | 15327722                    |
| CIE Lab                             | 90.37, 4.31, -3.42          |
| CIE LCh                             | 90, 5.502, 321.538          |
| Yxy                                 | 77.1146, 0.3125,<br>0.3196  |
| Android<br>(android.graphics.Color) | 4293517802<br>(0xFFE9E1EA)  |
| <b>YUV</b>                          | 228.4180, 2.7519,<br>4.0184 |
| Hunter-Lab                          | 87.8149, -0.4507,<br>1.5467 |

# Details

The XYZ color **75.3808, 77.1146, 88.7535** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.3803, 80.4527, 82.8468**, and the grayscale version is **74.0303, 77.8856, 84.8174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5421, 41.3109, 47.9565** is the 20% darker color. If you saturate the color by 10%, you get **68.6415, 64.8861, 86.7495**, and if you desaturate by 10%, it is **83.0040, 91.0900, 91.0504**.

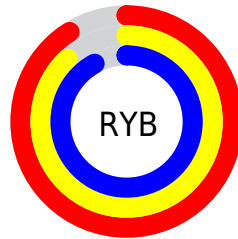
# Distribution



Red (91%)

Green (88%)

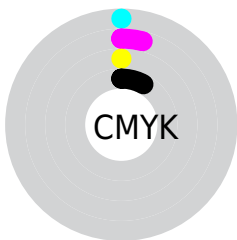
Blue (92%)



Red (91%)

Yellow (88%)

Blue (92%)

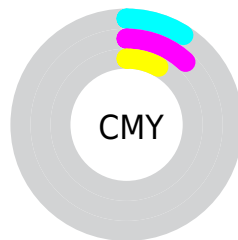


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (8%)



Cyan (9%)

Magenta (12%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3808, 77.1146, 88.7535 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 75.3808, 77.1146, 88.7535 by changing the saturation by 10% instead.



75.3808, 77.1146,  
88.7535

75.3808, 77.1146,  
88.7535

468.2024,  
485.1547, 544.4328

56.2202, 57.3469,  
66.3794

125.8363,  
129.3012, 147.5261

40.6172, 41.2838,  
48.1220

157.8619,  
162.4890, 184.7616

28.2064, 28.5409,  
33.5629

194.9065,  
200.9189, 227.7881

18.6226, 18.7338,  
22.2833

237.3355,  
244.9754, 277.0240

11.5003, 11.4781,  
13.8649

285.5142,  
295.0428, 332.8879

6.4741, 6.3894,  
7.8891

339.8080,

3.1788, 3.0833,

351.5056, 395.7983

3.9373

400.5823,  
414.7481, 466.1737

■ 1.2490, 1.1754,  
1.5910

■ 0.1446, 0.0414,  
0.2844

■ 75.3808, 77.1146,  
88.7535

■ 75.3808, 77.1146,  
88.7535

■ 68.6415, 64.8861,  
86.7495

■ 83.0040, 91.0900,  
91.0504

■ 62.7442, 54.3244,  
85.0217

■ 85.9397, 95.6730,  
91.7803

■ 57.6539, 45.3580,  
83.5593

■ 86.8203, 96.1269,  
91.8215

■ 53.3301, 37.9064,  
82.3489

■ 87.7136, 96.5874,  
91.8633

49.7290, 31.8820,  
81.3759

88.6196, 97.0545,  
91.9057

46.8023, 27.1881,  
80.6241

89.5383, 97.5281,  
91.9487

44.4956, 23.7161,  
80.0755

90.4699, 98.0084,  
91.9923

42.7460, 21.3404,  
79.7092

91.4144, 98.4953,  
92.0365

41.4770, 19.9078,  
79.4996

91.8515, 98.7206,  
92.0569

# Harmonies

## Analogous

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



74.2681, 77.1146, 91.1922



75.3808, 77.1146, 88.7535



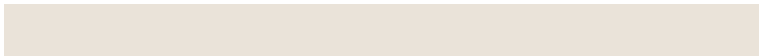
75.9363, 77.1146, 85.0817

# Triad

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



75.3808, 77.1146, 88.7535



73.6841, 77.1146, 76.7094



70.8679, 77.1146, 86.7698

# Complementary

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



75.3808, 77.1146, 88.7535



74.3803, 80.4527, 82.8468

# 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.



70.7159, 77.1146, 82.8575



75.3808, 77.1146, 88.7535



72.3306, 77.1146, 77.1295

# Square

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



75.3808, 77.1146, 88.7535



74.9487, 77.1146, 78.1851



71.2483, 77.1146, 79.3513



71.6660, 77.1146, 90.0223



# Rectangle

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



75.3808, 77.1146, 88.7535



75.9111, 77.1146, 82.4622



71.2483, 77.1146, 79.3513



70.7400, 77.1146, 85.4854

# Sweetspot

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



75.3830, 77.1179, 88.7552



94.1377, 98.3301, 108.6258



73.1159, 76.3717, 88.7306



20.1590, 21.0643, 23.2533



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.



75.3830, 77.1179, 88.7552



90.5972, 91.8654, 107.5646



75.2196, 77.0904, 86.1862



16.1043, 16.2485, 19.2097



23.0289, 10.9077, 44.6346

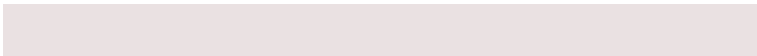


1.8554, 0.8808, 3.5071



# Inverse Universe

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



74.5871, 76.8374, 82.8553



89.3452, 91.4246, 98.2609



74.5430, 80.4816, 85.3353



15.8524, 16.1599, 17.3354



19.1951, 9.8807, 1.5630

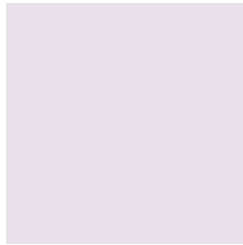


1.5299, 0.7849, 0.2418



# Previews

## White Background



This preview shows how the XYZ color 75.3808, 77.1146, 88.7535 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

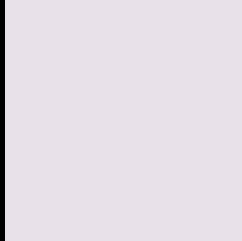
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3808, 77.1146, 88.7535 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

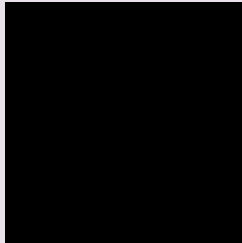
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

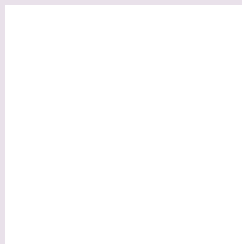
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.3808, 77.1146, 88.7535**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.3808, 77.1146, 88.7535.



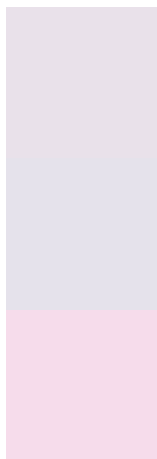
This preview shows how white text looks on a background with the XYZ color 75.3808, 77.1146,



# 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

75.3808, 77.1146, 88.7535

### Protanopia

74.5049, 77.0489, 89.5424

### Deuteranopia

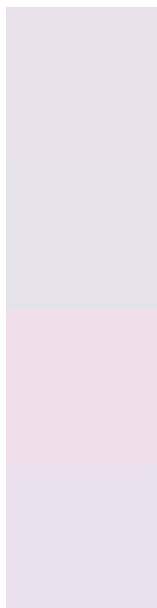
78.5946, 76.7774, 89.2744



## Tritanopia

76.4645, 77.1546, 94.0813

# Trichromacy



## Original Color

75.3808, 77.1146, 88.7535

## Protanomaly

74.8249, 77.2139, 89.5573

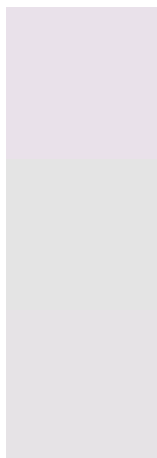
## Deuteranomaly

77.3923, 76.9415, 89.3694

## Tritanomaly

76.0200, 76.9768, 91.7402

# Monochromacy



## Original Color

75.3808, 77.1146, 88.7535

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.3851, 77.4743, 85.8964

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3808, 77.1146, 88.7535 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(233, 225, 234) looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 225, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 225, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3808, 77.1146, 88.7535 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(233, 225, 234) }
```



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

```
.border{ border-color:rgb(233, 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(233, 225, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 225, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 225, 234);  
box-shadow:4px 4px 4px 4px rgb(233, 225,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3808, 77.1146, 88.7535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 225, 234) }
```

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

```
.background{ background-color: rgb(233,  
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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