

# Converting Colors

XYZ(75.1659, 77.6877, 87.6540)

Have a look what the booklet for  
XYZ(75.1659, 77.6877, 87.6540)  
contains.

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# Color

**XYZ(75.3133, 77.9202,  
87.4146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E3E8
RGB	232, 227, 232
RGB Percent	91%, 89%, 91%
CMY	0.0902, 0.1098, 0.0902
CMYK	0.00, 0.02, 0.00, 0.09
HSL	300°, 10%, 90%
HSV	300°, 2%, 91%
XYZ	75.3133, 77.9202, 87.4146
YIQ	229.0650, 1.3750, 2.6150

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	232, 227, 232
Decimal	15262696
CIE Lab	90.74, 2.58, -1.84
CIE LCh	91, 3.169, 324.470
Yxy	77.9202, 0.3130, 0.3238
Android (android.graphics.Color)	4293452776 (0xFFE8E3E8)
YUV	229.0650, 1.4470, 2.5740
Hunter-Lab	88.2724, -2.1820, 3.0769

# Details

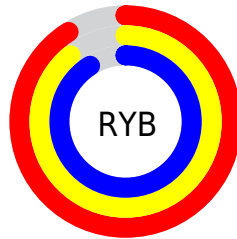
The XYZ color **75.3133, 77.9202, 87.4146** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.4033, 79.5923, 84.1184**, and the grayscale version is **74.5149, 78.3955, 85.3727**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4935, 41.8697, 47.0217** is the 20% darker color. If you saturate the color by 10%, you get **69.3915, 66.0756, 85.4416**, and if you desaturate by 10%, it is **82.0945, 91.4815, 89.6760**.

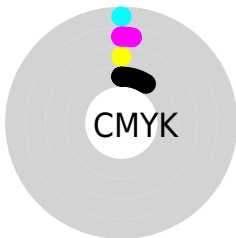
# Distribution



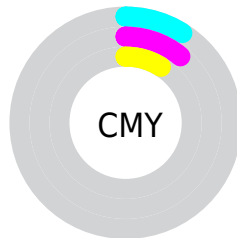
- Red (91%)
- Green (89%)
- Blue (91%)



- Red (91%)
- Yellow (89%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3133, 77.9202, 87.4146 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 75.3133, 77.9202, 87.4146 by changing the saturation by 10% instead.



■ 75.3133, 77.9202,  
87.4146

■ 75.3133, 77.9202,  
87.4146

467.9743,  
487.8958, 539.9358

■ 56.1647, 58.0084,  
65.2768

125.7413,  
130.4376, 145.6458

■ 40.5725, 41.8154,  
47.2328

157.7514,  
163.8121, 182.5764

■ 28.1714, 28.9568,  
32.8640

194.7793,  
202.4428, 225.2748

■ 18.5960, 19.0481,  
21.7521

237.1905,  
246.7144, 274.1598

■ 11.4810, 11.7051,  
13.4783

285.3502,  
297.0110, 329.6499

■ 6.4610, 6.5432,  
7.6241

339.6238,

■ 3.1707, 3.1781,

353.7172, 392.1635

3.7711

400.3768,  
417.2173, 462.1193

■ 1.2447, 1.2254,  
1.5006

■ 0.1412, 0.0823,  
0.2184

■ 75.3133, 77.9202,  
87.4146

■ 75.3133, 77.9202,  
87.4146

■ 69.3915, 66.0756,  
85.4416

■ 82.0945, 91.4815,  
89.6760

■ 64.2885, 55.8697,  
83.7407


■ 83.6050, 94.5024,  
90.1794


■ 59.9704, 47.2335,  
82.3013


■ 83.6051, 94.5024,  
90.1794


■ 56.3981, 40.0891,  
81.1106


■ 83.6052, 94.5025,  
90.1794


 53.5296, 34.3521,  
80.1544


 83.6052, 94.5025,  
90.1794


 51.3182, 29.9296,  
79.4173


 83.6053, 94.5025,  
90.1794


 49.7121, 26.7175,  
78.8820

 83.6054, 94.5026,  
90.1794

 48.6514, 24.5961,  
78.5284

 83.6054, 94.5026,  
90.1795

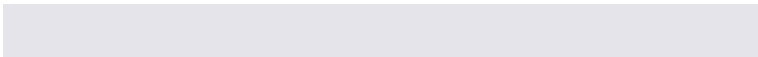
 48.0640, 23.4213,  
78.3326

 83.6055, 94.5026,  
90.1795

# Harmonies

## Analogous

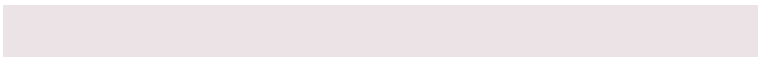
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6966, 77.9202, 88.8941



75.3133, 77.9202, 87.4146



75.5946, 77.9202, 85.2650

# Triad

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



75.3133, 77.9202, 87.4146



74.2084, 77.9202, 80.5535



72.6765, 77.9202, 86.6704

# Complementary

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



75.3133, 77.9202, 87.4146



74.4033, 79.5923, 84.1184

# 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.



72.5479, 77.9202, 84.4201



75.3133, 77.9202, 87.4146



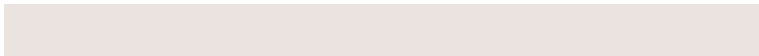
73.4287, 77.9202, 80.9146

# Square

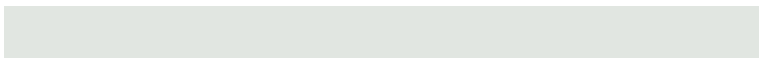
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3133, 77.9202, 87.4146



74.9538, 77.9202, 81.3246



72.8223, 77.9202, 82.3201



73.1750, 77.9202, 88.4591



# Rectangle

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



75.3133, 77.9202, 87.4146



75.5526, 77.9202, 83.7514



72.8223, 77.9202, 82.3201



72.5888, 77.9202, 85.9418

# Sweetspot

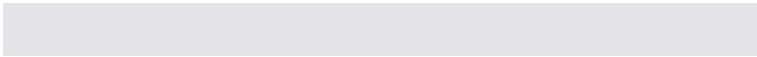
The Sweet Spot groups the original color and five complimentary colors.



75.3155, 77.9236, 87.4163



94.2419, 98.3838, 108.6306



73.7394, 77.1449, 87.3491



20.1802, 21.0752, 23.2543



0.0000, 0.0000, 0.0000

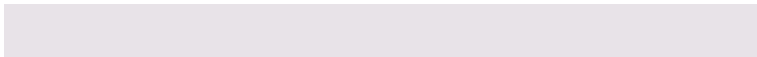


20.3446, 21.4041, 23.3091



# Same Dimension

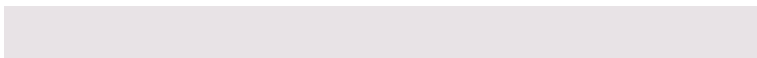
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3155, 77.9236, 87.4163



92.6579, 95.2158, 108.1026



74.9748, 77.7873, 85.6219



15.7107, 16.0464, 18.4135



26.5609, 12.7585, 43.4459



1.9628, 0.9428, 3.2105



# Inverse Universe

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



74.6157, 77.6436, 83.7311



91.4505, 94.7328, 101.7445



74.7390, 79.7266, 85.8864



15.4538, 15.9436, 17.0605



18.4751, 9.5242, 0.8647

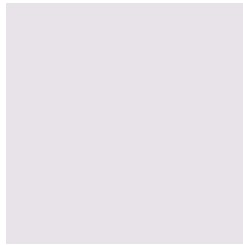


1.3652, 0.7038, 0.0639



# Previews

## White Background



This preview shows how the XYZ color 75.3133, 77.9202, 87.4146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

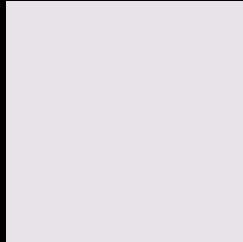
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3133, 77.9202, 87.4146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

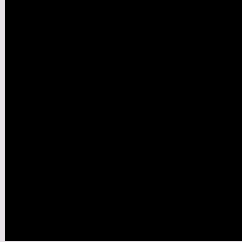
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

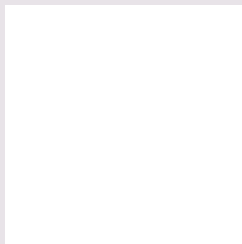
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.3133, 77.9202, 87.4146**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.3133, 77.9202, 87.4146.



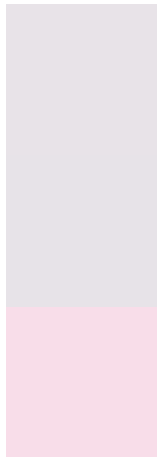
This preview shows how white text looks on a background with the XYZ color 75.3133, 77.9202,

87.4146.

# 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

75.3133, 77.9202, 87.4146

### Protanopia

74.9896, 77.7533, 87.3994

### Deuteranopia

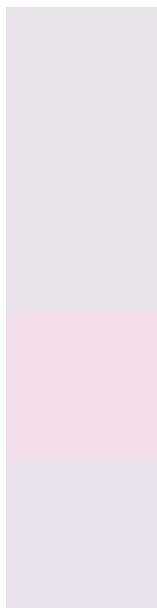
79.2758, 77.5526, 87.8816



## Tritanopia

77.0346, 77.8139, 95.7534

# Trichromacy



## Original Color

75.3133, 77.9202, 87.4146

## Protanomaly

74.9896, 77.7533, 87.3994

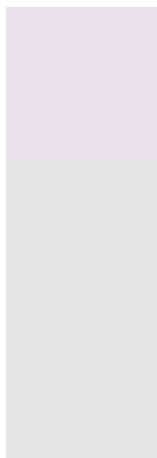
## Deuteranomaly

77.7136, 77.5358, 87.9608

## Tritanomaly

76.3806, 77.9483, 92.6812

# Monochromacy



## Original Color

75.3133, 77.9202, 87.4146

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.6595, 78.0230, 85.9879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3133, 77.9202, 87.4146 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(232, 227, 232) looks like.

```
.text, #text, p{  
    color:rgb(232, 227, 232)  
}
```

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(232, 227, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 227, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3133, 77.9202, 87.4146 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(232, 227, 232) }
```



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

```
.border{ border-color:rgb(232, 227, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 227, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 227, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 227, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 227,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3133, 77.9202, 87.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 227, 232) }
```

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

```
.background{ background-color: rgb(232,  
227, 232) }
```

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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