

# Converting Colors

XYZ(75.8357, 78.7005, 80.2270)

Have a look what the booklet for  
XYZ(75.8357, 78.7005, 80.2270)  
contains.

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# Color

**XYZ(75.8533, 78.7653,  
80.3126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDE4DE
RGB	237, 228, 222
RGB Percent	93%, 89%, 87%
CMY	0.0706, 0.1059, 0.1294
CMYK	0.00, 0.04, 0.06, 0.07
HSL	24°, 29%, 90%
HSV	24°, 6%, 93%
XYZ	75.8533, 78.7653, 80.3126
YIQ	230.0070, 7.2900, 0.0420

# Conversions

## Conversions Part 2

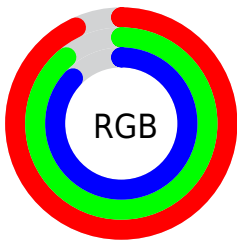
Format	Color
R <sub>Y</sub> B	237, 232, 222
Decimal	15590622
CIE Lab	91.13, 2.02, 4.00
CIE LCh	91, 4.482, 63.138
Yxy	78.7653, 0.3229, 0.3353
Android (android.graphics.Color)	4293780702 (0xFFE4DE)
YUV	230.0070, -3.9475, 6.1329
Hunter-Lab	88.7498, -2.7506, 8.4714

# Details

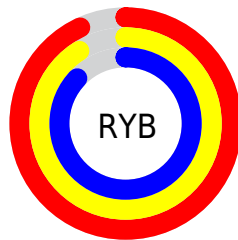
The XYZ color **75.8533, 78.7653, 80.3126** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.9861, 78.7946, 91.4311**, and the grayscale version is **75.2454, 79.1640, 86.2096**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9747, 42.5009, 42.6031** is the 20% darker color. If you saturate the color by 10%, you get **69.1474, 70.0840, 63.4917**, and if you desaturate by 10%, it is **83.3317, 88.2750, 99.5957**.

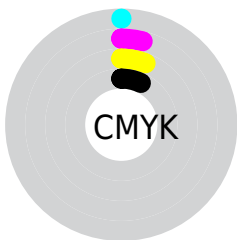
# Distribution



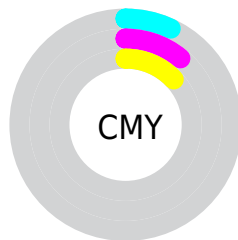
- Red (93%)
- Green (89%)
- Blue (87%)



- Red (93%)
- Yellow (91%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8533, 78.7653, 80.3126 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 75.8533, 78.7653, 80.3126 by changing the saturation by 10% instead.



■ 75.8533, 78.7653,  
80.3126

■ 75.8533, 78.7653,  
80.3126

469.7975,  
490.7620, 515.7202

■ 56.6089, 58.7029,  
59.4479

126.5010,  
131.6284, 135.6205

■ 40.9302, 42.3740,  
42.5514

158.6349,  
165.1978, 170.9008

■ 28.4520, 29.3942,  
29.2045

195.7961,  
204.0384, 211.8235

■ 18.8088, 19.3793,  
18.9887

238.3498,  
248.5345, 258.8070

■ 11.6354, 11.9446,  
11.4854

286.6615,  
299.0705, 312.2699

■ 6.5664, 6.7060,  
6.2760

341.0964,

■ 3.2363, 3.2789,

356.0309, 372.6307

2.9422

402.0199,  
419.7999, 440.3079

■ 1.2799, 1.2790,  
1.0652

■ 0.1681, 0.1249,  
0.0000

■ 75.8533, 78.7653,  
80.3126

■ 75.8533, 78.7653,  
80.3126

■ 69.1474, 70.0840,  
63.4917

■ 83.3317, 88.2750,  
99.5957

■ 63.1812, 62.1981,  
49.0279

■ 88.7355, 96.7447,  
108.6045

■ 57.9289, 55.0871,  
36.8158

■ 53.3611, 48.7257,  
26.7401

■ 49.4455, 43.0874,  
18.6749

■ 46.1474, 38.1437,  
12.4811

■ 43.4279, 33.8636,  
8.0017

■ 41.2428, 30.2134,  
5.0533

■ 39.5385, 27.1546,  
3.4073

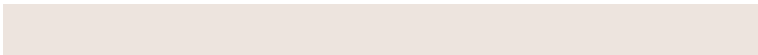
# Harmonies

## Analogous

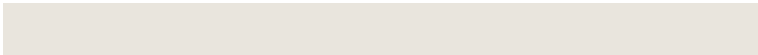
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7042, 78.7653, 82.3945



75.8533, 78.7653, 80.3126



74.7448, 78.7653, 79.6785

# Triad

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



75.8533, 78.7653, 80.3126



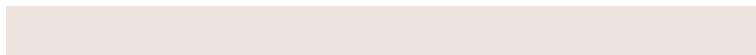
72.7086, 78.7653, 86.1042



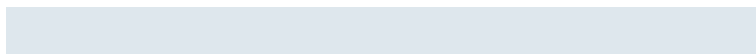
76.0620, 78.7653, 91.0963

# Complementary

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



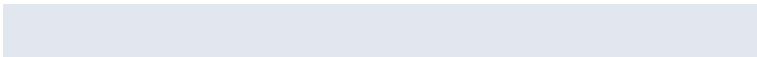
75.8533, 78.7653, 80.3126



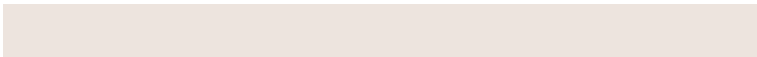
73.9861, 78.7946, 91.4311

# Split Complementary

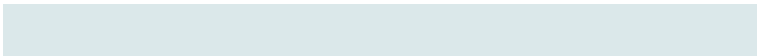
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.9834, 78.7653, 92.1476



75.8533, 78.7653, 80.3126



73.0536, 78.7653, 89.2201

# Square

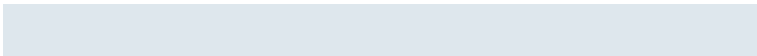
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8533, 78.7653, 80.3126



72.9363, 78.7653, 82.9721



73.8834, 78.7653, 91.4525

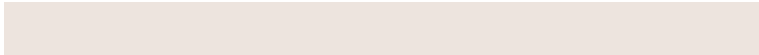


76.8255, 78.7653, 88.6138



# Rectangle

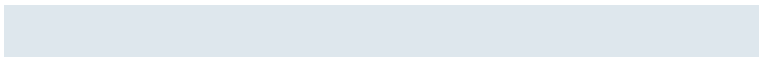
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8533, 78.7653, 80.3126



74.0108, 78.7653, 80.1486



73.8834, 78.7653, 91.4525



75.7239, 78.7653, 91.6316

# Sweetspot

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



75.8555, 78.7687, 80.3143



93.2717, 97.7399, 104.3100



75.4712, 76.0178, 86.2975



19.9826, 20.9441, 22.3747



0.0000, 0.0000, 0.0000

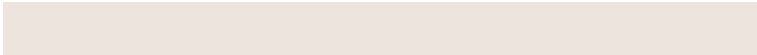


20.3446, 21.4041, 23.3091

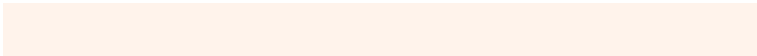


# Same Dimension

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



75.8555, 78.7687, 80.3143



88.1582, 91.1962, 91.2508



77.9626, 82.9829, 81.0167



15.5603, 16.0436, 15.7953



21.4157, 14.5257, 1.6750

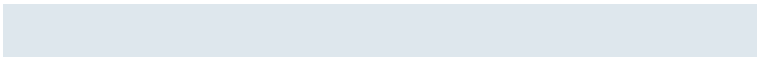


1.7735, 1.3243, 0.1621

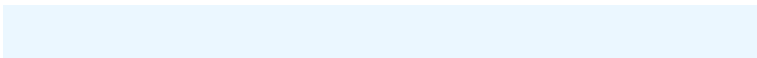


# Inverse Universe

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



73.9861, 78.7946, 91.4311



85.3891, 91.2343, 107.7172



71.9329, 74.6882, 90.7467



14.9826, 16.0515, 19.2308



13.7694, 14.1858, 45.7554

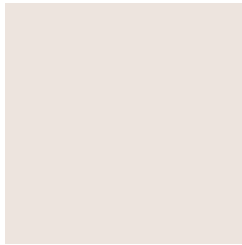


1.1749, 1.3014, 3.6241



# Previews

## White Background



This preview shows how the XYZ color 75.8533, 78.7653, 80.3126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

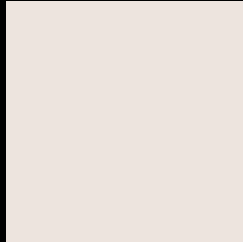
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8533, 78.7653, 80.3126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

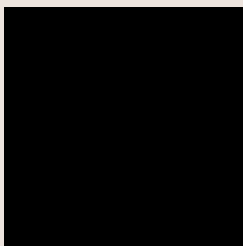
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

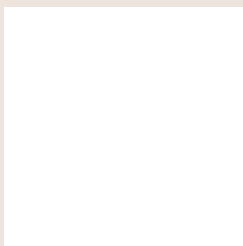
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.8533, 78.7653, 80.3126**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.8533, 78.7653, 80.3126.



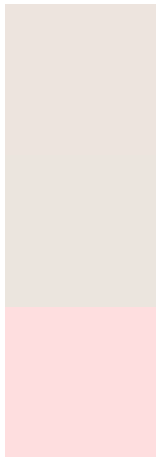
This preview shows how white text looks on a background with the XYZ color 75.8533, 78.7653,

80.3126.

# 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

75.8533, 78.7653, 80.3126

### Protanopia

75.4651, 78.9747, 80.3734

### Deuteranopia

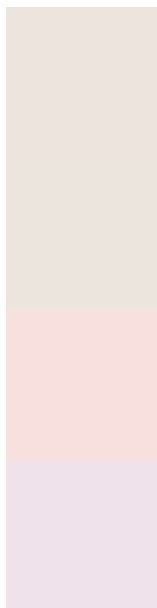
80.3136, 78.6411, 80.7583



## Tritanopia

79.0381, 78.8468, 95.8472

# Trichromacy



## Original Color

75.8533, 78.7653, 80.3126

## Protanomaly

75.7962, 79.1454, 80.3889

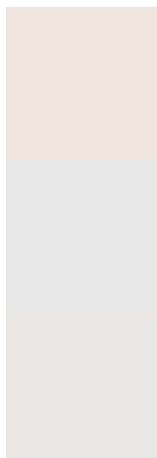
## Deuteranomaly

78.6863, 78.5955, 80.8353

## Tritanomaly

77.7884, 78.7416, 89.6960

# Monochromacy



## Original Color

75.8533, 78.7653, 80.3126

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.4887, 78.9083, 83.9252

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8533, 78.7653, 80.3126 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(237, 228, 222) looks like.

```
.text, #text, p{  
    color:rgb(237, 228, 222)  
}
```

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(237, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 228, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8533, 78.7653, 80.3126 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(237, 228, 222) }
```



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

```
.border{ border-color:rgb(237, 228, 222) }
```

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

Here you see how a box with a 4 pixel rgb(237, 228, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(237, 228,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8533, 78.7653, 80.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 228, 222) }
```

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

```
.background{ background-color: rgb(237,  
228, 222) }
```

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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