

# Converting Colors

XYZ(77.3627, 81.3106, 86.2647)

Have a look what the booklet for  
XYZ(77.3627, 81.3106, 86.2647)  
contains.

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# Color

**XYZ(77.6828, 81.6532,  
86.5292)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">EBE9E6</a>
RGB	<a href="#">235, 233, 230</a>
RGB Percent	<a href="#">92%, 91%, 90%</a>
CMY	<a href="#">0.0784, 0.0863, 0.0980</a>
<a href="#">CMYK</a>	<a href="#">0.00, 0.01, 0.02, 0.08</a>
HSL	<a href="#">36°, 11%, 91%</a>
HSV	<a href="#">36°, 2%, 92%</a>
XYZ	<a href="#">77.6828, 81.6532, 86.5292</a>
YIQ	<a href="#">233.2560, 2.1550, -0.5090</a>

# Conversions

## Conversions Part 2

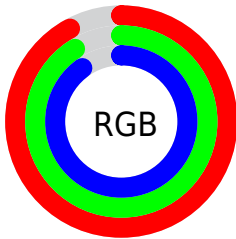
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 235, 230
Decimal	15460838
CIE Lab	92.42, 0.15, 1.68
CIE LCh	92, 1.688, 84.961
Yxy	81.6532, 0.3160, 0.3321
Android (android.graphics.Color)	4293650918 (0xFFEBE9E6)
YUV	233.2560, -1.6052, 1.5295
Hunter-Lab	90.3622, -4.6804, 6.4785

# Details

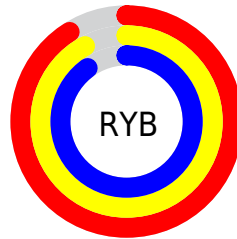
The XYZ color **77.6828, 81.6532, 86.5292** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.4851, 80.5332, 90.1116**, and the grayscale version is **77.6575, 81.7017, 88.9732**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0504, 44.1231, 46.8578** is the 20% darker color. If you saturate the color by 10%, you get **72.0181, 75.2532, 69.4420**, and if you desaturate by 10%, it is **83.9382, 88.5206, 106.0103**.

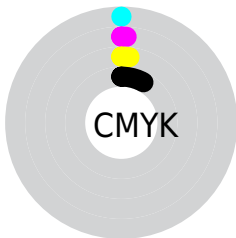
# Distribution



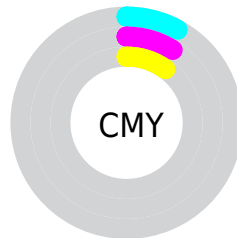
- Red (92%)
- Green (91%)
- Blue (90%)



- Red (91%)
- Yellow (92%)
- Blue (90%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6828, 81.6532, 86.5292 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 77.6828, 81.6532, 86.5292 by changing the saturation by 10% instead.



■ 77.6828, 81.6532,  
86.5292

■ 77.6828, 81.6532,  
86.5292

475.9452,  
500.4869, 536.9506

■ 58.1153, 61.0797,  
64.5483

129.0706,  
135.6876, 144.4008

■ 42.1450, 44.2895,  
46.6459

161.6216,  
169.9172, 181.1286

■ 29.4064, 30.8982,  
32.4034

199.2313,  
209.4678, 223.6090

■ 19.5343, 20.5213,  
21.4025

242.2648,  
254.7235, 272.2607

■ 12.1633, 12.7746,  
13.2244

291.0876,  
306.0689, 327.5022

■ 6.9280, 7.2735,  
7.4507

346.0650,

■ 3.4630, 3.6337,

363.8884, 389.7519

3.6628

407.5625,  
428.5662, 459.4285

■ 1.4031, 1.4709,  
1.4423

■ 0.2584, 0.2681,  
0.1744

■ 77.6828, 81.6532,  
86.5292

■ 77.6828, 81.6532,  
86.5292

■ 72.0181, 75.2532,  
69.4420

■ 83.9382, 88.5206,  
106.0103

■ 66.9175, 69.2987,  
54.6495

■ 87.0485, 94.3565,  
108.2324

■ 62.3620, 63.7811,  
42.0535

■ 88.0714, 96.4024,  
108.5734

■ 58.3293, 58.6877,  
31.5465

■ 54.7949, 54.0052,  
23.0119

■ 51.7323, 49.7190,  
16.3215

■ 49.1119, 45.8134,  
11.3318

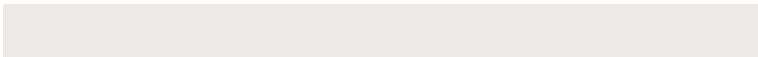
■ 46.9000, 42.2708,  
7.8777

■ 45.0563, 39.0709,  
5.7607

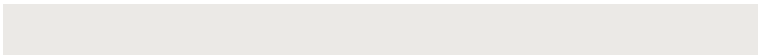
# Harmonies

## Analogous

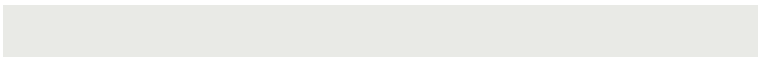
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0927, 81.6532, 86.9494



77.6828, 81.6532, 86.5292



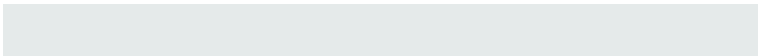
77.2546, 81.6532, 86.7411

# Triad

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



77.6828, 81.6532, 86.5292



76.8491, 81.6532, 89.9265



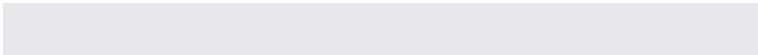
78.2994, 81.6532, 90.2962

# Complementary

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



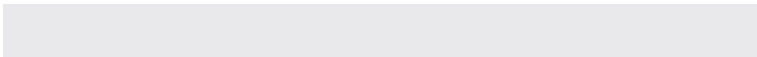
77.6828, 81.6532, 86.5292



76.4851, 80.5332, 90.1116

# 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.



77.9643, 81.6532, 91.1075



77.6828, 81.6532, 86.5292



77.1272, 81.6532, 90.8927

# Square

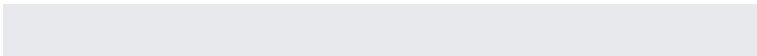
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



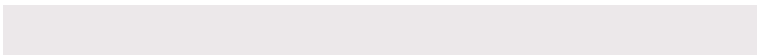
77.6828, 81.6532, 86.5292



76.7743, 81.6532, 88.6951



77.5351, 81.6532, 91.3269



78.4495, 81.6532, 89.1181

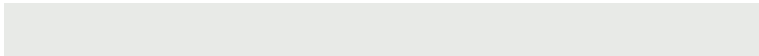


# Rectangle

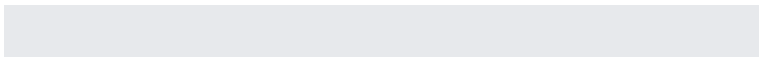
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6828, 81.6532, 86.5292



77.0163, 81.6532, 87.2134



77.5351, 81.6532, 91.3269



78.2046, 81.6532, 90.6213

# Sweetspot

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



77.6851, 81.6567, 86.5310



94.3182, 99.1891, 106.6441



77.1244, 80.0832, 87.7378



20.1957, 21.2391, 22.8500



0.0000, 0.0000, 0.0000

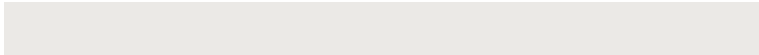


20.3446, 21.4041, 23.3091

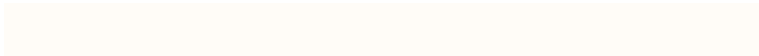


# Same Dimension

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



77.6851, 81.6567, 86.5310



92.8762, 97.5842, 102.2197



78.0884, 82.7082, 86.7127



16.5147, 17.3453, 17.9849



24.5132, 20.7207, 2.7075

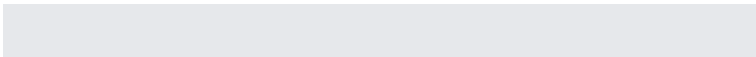


2.0185, 1.8144, 0.2438



# Inverse Universe

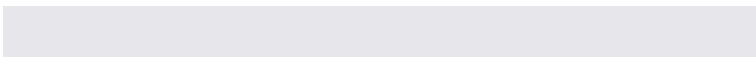
The Inverse Universe completely reimagines the original color for something new.



76.4851, 80.5332, 90.1116



90.8425, 95.6801, 108.2879



76.0872, 79.4989, 89.9329



16.0600, 16.9196, 19.3416



10.6803, 8.0077, 44.7257

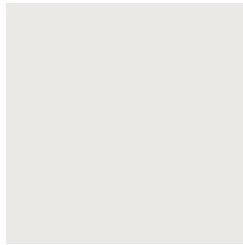


0.9304, 0.8123, 3.5426



# Previews

## White Background



This preview shows how the XYZ color 77.6828, 81.6532, 86.5292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

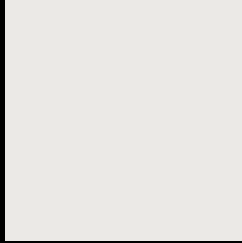
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6828, 81.6532, 86.5292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

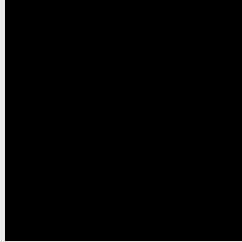
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

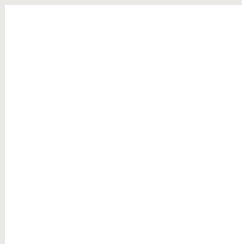
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.6828, 81.6532, 86.5292**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6828, 81.6532, 86.5292.



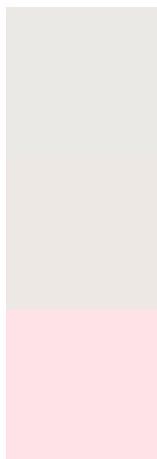
This preview shows how white text looks on a background with the XYZ color 77.6828, 81.6532,

86.5292.

# 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

77.6828, 81.6532, 86.5292

### Protanopia

78.2594, 81.5475, 85.7443

### Deuteranopia

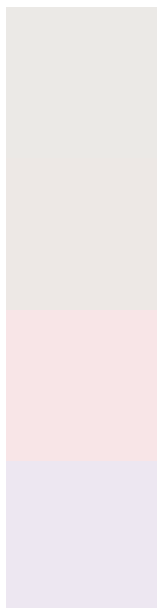
83.0018, 81.4789, 87.6963



## Tritanopia

80.5000, 81.5481, 100.3045

# Trichromacy



## Original Color

77.6828, 81.6532, 86.5292

## Protanomaly

77.9245, 81.3749, 85.7286

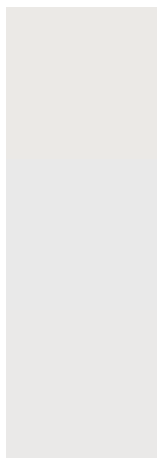
## Deuteranomaly

81.1545, 81.7646, 87.1061

## Tritanomaly

79.3782, 81.5072, 94.7679

# Monochromacy



## Original Color

77.6828, 81.6532, 86.5292

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.6361, 81.5964, 88.0018

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6828, 81.6532, 86.5292 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(235, 233, 230) looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 230)  
}
```

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(235, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6828, 81.6532, 86.5292 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(235, 233, 230) }
```



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

```
.border{ border-color:rgb(235, 233, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6828, 81.6532, 86.5292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 230) }
```

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

```
.background{ background-color: rgb(235,  
233, 230) }
```

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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