

# Converting Colors

XYZ(76.9451, 81.7743, 82.9627)

Have a look what the booklet for  
XYZ(76.9451, 81.7743, 82.9627)  
contains.

<b>XYZ(76.9451, 81.7743, 82.9627)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.9451, 81.7743,  
82.9627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAEAE1
RGB	234, 234, 225
RGB Percent	92%, 92%, 88%
CMY	0.0823, 0.0823, 0.1176
CMYK	0.00, 0.00, 0.04, 0.08
HSL	60°, 18%, 90%
HSV	60°, 4%, 92%
XYZ	76.9451, 81.7743, 82.9627
YIQ	232.9740, 2.8890, -2.7990

# Conversions

## Conversions Part 2

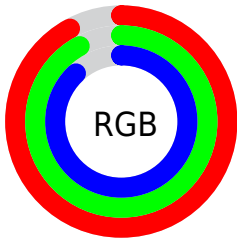
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 234, 225
Decimal	15395553
CIE <sub>Lab</sub>	92.48, -1.57, 4.35
CIE <sub>LCh</sub>	92, 4.628, 109.793
Y <sub>xy</sub>	81.7743, 0.3184, 0.3384
Android (android.graphics.Color)	4293585633 (0xFFEAEAE1)
Y <sub>UV</sub>	232.9740, -3.9312, 0.8998
Hunter-Lab	90.4291, -6.3674, 8.9058

# Details

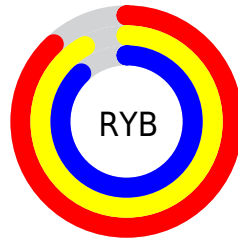
The XYZ color **76.9451, 81.7743, 82.9627** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.8309, 75.8007, 88.6385**, and the grayscale version is **77.4616, 81.4957, 88.7488**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5362, 44.2080, 44.3740** is the 20% darker color. If you saturate the color by 10%, you get **73.9663, 80.5850, 67.2858**, and if you desaturate by 10%, it is **80.3660, 83.1457, 100.9474**.

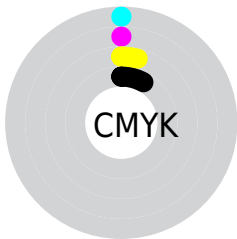
# Distribution



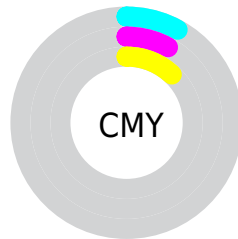
- Red (92%)
- Green (92%)
- Blue (88%)



- Red (88%)
- Yellow (92%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)



- Cyan (8%)
- Magenta (8%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9451, 81.7743, 82.9627 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 76.9451, 81.7743, 82.9627 by changing the saturation by 10% instead.



■ 76.9451, 81.7743,  
82.9627

■ 76.9451, 81.7743,  
82.9627

473.4716,  
500.8924, 524.8299

■ 57.5076, 61.1795,  
61.6190

128.0352,  
135.8574, 139.3720

■ 41.6546, 44.3701,  
44.2911

160.4186,  
170.1146, 175.2746

■ 29.0209, 30.9615,  
30.5605

197.8479,  
209.6947, 216.8672

■ 19.2410, 20.5696,  
20.0088

240.6885,  
254.9820, 264.5685

■ 11.9496, 12.8097,  
12.2173

289.3059,  
306.3611, 318.7968

■ 6.7813, 7.2977,  
6.7675

344.0653,

■ 3.3708, 3.6489,

364.2162, 379.9708

3.2409

405.3321,  
428.9319, 448.5090

■ 1.3528, 1.4792,  
1.2189

■ 0.2222, 0.2740,  
0.0000

■ 76.9451, 81.7743,  
82.9627

■ 76.9451, 81.7743,  
82.9627

■ 73.9663, 80.5850,  
67.2858

■ 80.3660, 83.1457,  
100.9474

■ 71.4052, 79.5601,  
53.8183


■ 81.4139, 83.5653,  
106.4465


■ 69.2451, 78.6956,  
42.4625


■ 81.4176, 83.5672,  
106.4467

■ 67.4657, 77.9834,  
33.1114


■ 81.4213, 83.5691,  
106.4468

 66.0448, 77.4147,  
25.6486


 81.4250, 83.5710,  
106.4470


 64.9582, 76.9796,  
19.9458


 81.4287, 83.5729,  
106.4472


 64.1784, 76.6673,  
15.8585

 81.4324, 83.5748,  
106.4473

 63.6736, 76.4649,  
13.2199

 81.4361, 83.5767,  
106.4475

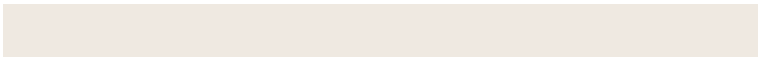
 63.4053, 76.3572,  
11.8263

 81.4398, 83.5786,  
106.4477

# Harmonies

## Analogous

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



78.1337, 81.7743, 82.6903



76.9451, 81.7743, 82.9627



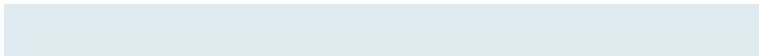
75.9747, 81.7743, 84.8392

# Triad

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



76.9451, 81.7743, 82.9627



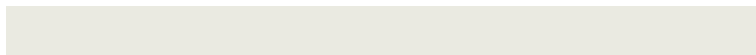
76.2436, 81.7743, 94.1823



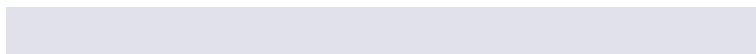
80.0176, 81.7743, 90.2147

# Complementary

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



76.9451, 81.7743, 82.9627



72.8309, 75.8007, 88.6385

# Split Complementary

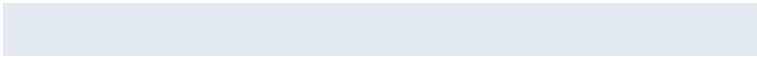
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5000, 81.7743, 93.3738



76.9451, 81.7743, 82.9627



77.3158, 81.7743, 95.7032

# Square

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



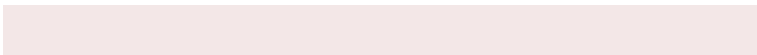
76.9451, 81.7743, 82.9627



75.5726, 81.7743, 91.2954



78.5082, 81.7743, 95.4035



79.9159, 81.7743, 86.8188

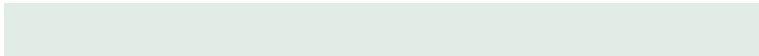


# Rectangle

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



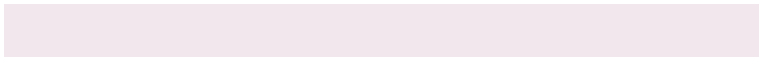
76.9451, 81.7743, 82.9627



75.5782, 81.7743, 86.7747



78.5082, 81.7743, 95.4035



79.9101, 81.7743, 91.3410

# Sweetspot

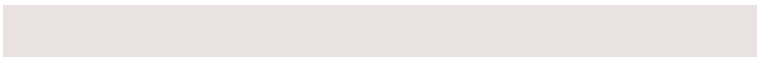
The Sweet Spot groups the original color and five complimentary colors.



76.9474, 81.7778, 82.9645



94.6417, 99.8366, 106.7520



74.4500, 76.7810, 82.1316



20.2615, 21.3709, 22.8720



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

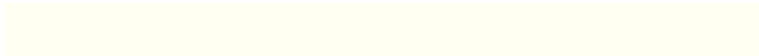


# Same Dimension

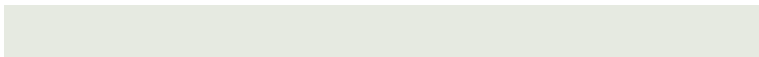
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9474, 81.7778, 82.9645



93.0623, 99.2047, 98.4449



75.4893, 81.0262, 82.8962



16.6011, 17.7266, 17.3734



35.5814, 42.8874, 6.4028



2.7942, 3.3678, 0.5028



# Inverse Universe

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



72.8309, 75.8007, 88.6385



86.5825, 89.7958, 107.3767



74.2518, 76.5331, 88.7050



15.2963, 15.8320, 19.1719



8.3467, 3.3388, 43.9475

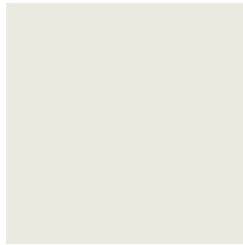


0.6557, 0.2623, 3.4509



# Previews

## White Background



This preview shows how the XYZ color 76.9451, 81.7743, 82.9627 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

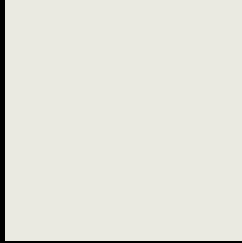
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.9451, 81.7743, 82.9627 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

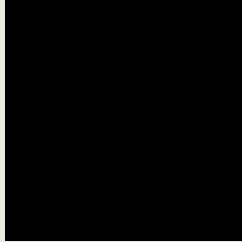
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

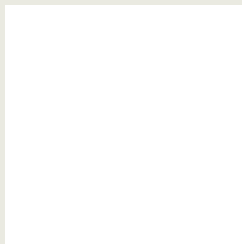
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.9451, 81.7743, 82.9627**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.9451, 81.7743, 82.9627.



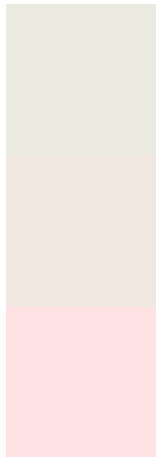
This preview shows how white text looks on a background with the XYZ color 76.9451, 81.7743,

82.9627.

# 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

76.9451, 81.7743, 82.9627

### Protanopia

78.2463, 81.6203, 82.1513

### Deuteranopia

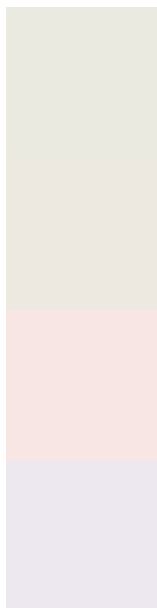
82.7127, 81.7996, 84.8283



## Tritanopia

80.6556, 81.6103, 101.1239

# Trichromacy



## Original Color

76.9451, 81.7743, 82.9627

## Protanomaly

77.8534, 81.8368, 82.2138

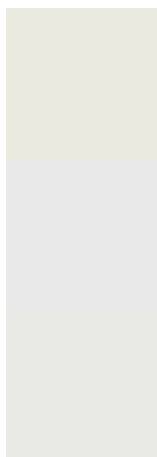
## Deuteranomaly

80.5197, 81.9138, 84.2402

## Tritanomaly

79.2291, 81.4476, 93.9832

# Monochromacy



## Original Color

76.9451, 81.7743, 82.9627

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.0261, 81.3146, 86.4985

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.9451, 81.7743, 82.9627 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, 234, 225) looks like.

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

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, 234, 225) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 76.9451, 81.7743, 82.9627 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, 234, 225) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 76.9451, 81.7743, 82.9627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor