

# Converting Colors

XYZ(76.5935, 82.4756, 81.6927)

Have a look what the booklet for  
XYZ(76.5935, 82.4756, 81.6927)  
contains.

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# Color

**XYZ(76.5934, 82.4744,  
81.6943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8ECDF
RGB	232, 236, 223
RGB Percent	91%, 93%, 87%
CMY	0.0902, 0.0745, 0.1255
CMYK	0.02, 0.00, 0.06, 0.07
HSL	78°, 26%, 90%
HSV	78°, 6%, 93%
XYZ	76.5934, 82.4744, 81.6943
YIQ	233.3220, 1.7890, -4.8910

# Conversions

## Conversions Part 2

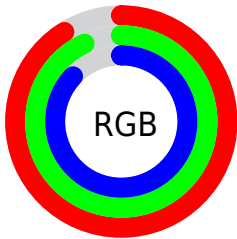
Format	Color
R <sub>Y</sub> B	223, 236, 227
Decimal	15264991
CIE Lab	92.78, -3.61, 5.82
CIE LCh	93, 6.850, 121.791
Yxy	82.4744, 0.3181, 0.3426
Android (android.graphics.Color)	4293455071 (0xFFE8ECDF)
YUV	233.3220, -5.0887, -1.1594
Hunter-Lab	90.8154, -8.3807, 10.2356

# Details

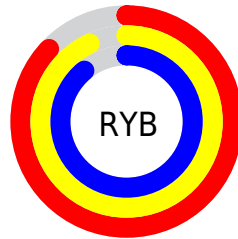
The XYZ color **76.5934, 82.4744, 81.6943** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.2098, 75.1647, 90.0108**, and the grayscale version is **77.7328, 81.7810, 89.0595**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2936, 44.6998, 43.4973** is the 20% darker color. If you saturate the color by 10%, you get **71.3209, 80.1011, 65.9794**, and if you desaturate by 10%, it is **82.4117, 85.0826, 99.7533**.

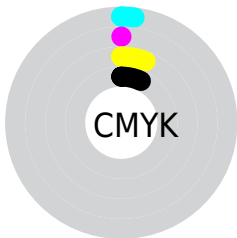
# Distribution



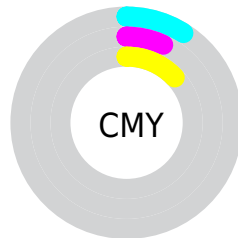
- Red (91%)
- Green (93%)
- Blue (87%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5934, 82.4744, 81.6943 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 76.5934, 82.4744, 81.6943 by changing the saturation by 10% instead.



■ 76.5934, 82.4744,  
81.6943

■ 76.5934, 82.4744,  
81.6943

472.2898,  
503.2332, 520.4811

■ 57.2180, 61.7566,  
60.5792

127.5413,  
136.8391, 137.5781

■ 41.4211, 44.8361,  
43.4573

159.8444,  
171.2548, 173.1838

■ 28.8374, 31.3283,  
29.9101

197.1875,  
211.0053, 214.4569

■ 19.1015, 20.8490,  
19.5189

239.9359,  
256.4749, 261.8159

■ 11.8481, 13.0137,  
11.8652

288.4550,  
308.0482, 315.6792

■ 6.7118, 7.4380,  
6.5305

343.1101,

■ 3.3272, 3.7375,

366.1093, 376.4656

3.0963

404.2666,  
431.0429, 444.5933

■ 1.3291, 1.5278,  
1.1440

■ 0.2048, 0.3082,  
0.0000

■ 76.5934, 82.4744,  
81.6943

■ 76.5934, 82.4744,  
81.6943

■ 71.3209, 80.1011,  
65.9794

■ 82.4117, 85.0826,  
99.7533

■ 66.5678, 77.9441,  
52.5072

■ 86.2416, 86.9041,  
106.8365

■ 62.3158, 75.9985,  
41.1765

■ 88.8485, 88.2481,  
106.9585

■ 58.5426, 74.2553,  
31.8767

■ 89.2871, 88.4742,  
106.9790

■ 55.2242, 72.7047,  
24.4871

■ 52.3338, 71.3359,  
18.8741

■ 49.8416, 70.1368,  
14.8869

■ 47.7130, 69.0934,  
12.3499

■ 45.9055, 68.1885,  
11.0467

# Harmonies

## Analogous

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



78.2821, 82.4744, 80.3207



76.5934, 82.4744, 81.6943



75.4007, 82.4744, 85.2294

# Triad

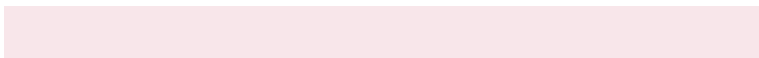
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5934, 82.4744, 81.6943



76.7766, 82.4744, 98.7533



81.8738, 82.4744, 89.4935

# Complementary

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



76.5934, 82.4744, 81.6943



73.2098, 75.1647, 90.0108

# Split Complementary

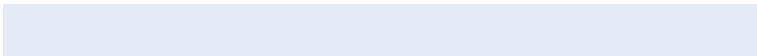
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4561, 82.4744, 94.5324



76.5934, 82.4744, 81.6943



78.4968, 82.4744, 99.9985

# Square

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



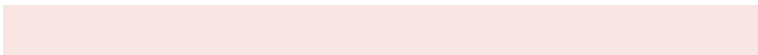
76.5934, 82.4744, 81.6943



75.5054, 82.4744, 95.0845



80.2133, 82.4744, 98.4262



81.3461, 82.4744, 84.7162

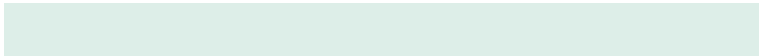


# Rectangle

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



76.5934, 82.4744, 81.6943



75.0380, 82.4744, 88.4029



80.2133, 82.4744, 98.4262



81.8393, 82.4744, 91.2129

# Sweetspot

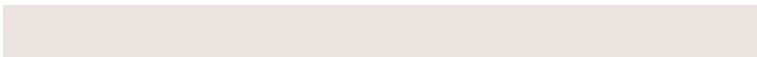
The Sweet Spot groups the original color and five complimentary colors.



76.5957, 82.4780, 81.6961



93.6642, 99.3792, 104.6058



75.3560, 78.0467, 80.9061



20.0626, 21.2778, 22.4349



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

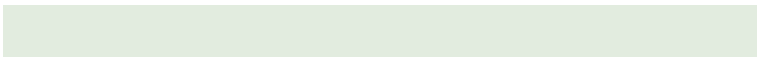
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5957, 82.4780, 81.6961



90.3145, 97.8755, 94.3675



74.5561, 81.4265, 81.6006



16.0915, 17.4785, 16.6895



25.0349, 37.4504, 5.9092



2.0634, 2.9911, 0.4686



# Inverse Universe

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



73.2098, 75.1647, 90.0108



85.2180, 86.8672, 106.8833



75.2659, 76.2246, 90.1071



15.1134, 15.3658, 19.0916



9.9628, 4.1719, 44.0231

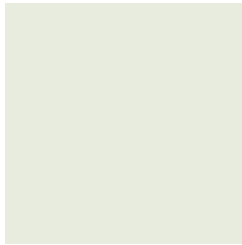


0.8775, 0.3767, 3.4613



# Previews

## White Background



This preview shows how the XYZ color 76.5934, 82.4744, 81.6943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

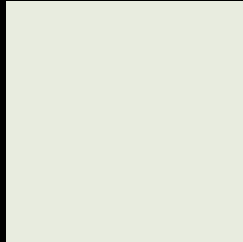
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.5934, 82.4744, 81.6943 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

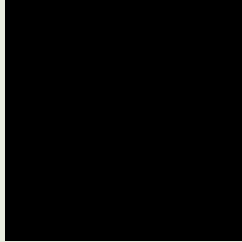
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

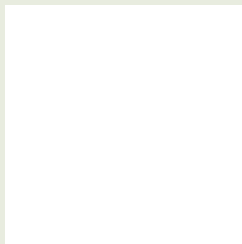
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.5934, 82.4744, 81.6943**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.5934, 82.4744, 81.6943.



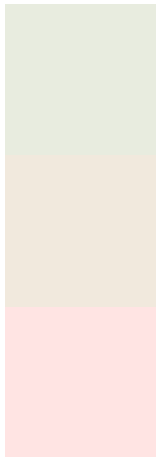
This preview shows how white text looks on a background with the XYZ color 76.5934, 82.4744,



# 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

76.5934, 82.4744, 81.6943

### Protanopia

78.4657, 82.1991, 80.1370

### Deuteranopia

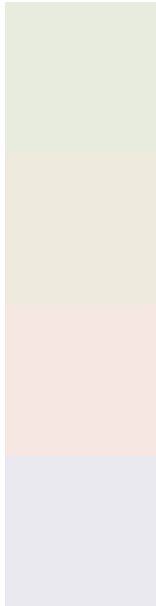
82.8485, 82.2929, 84.1906



## Tritanopia

80.7040, 82.4482, 102.1030

# Trichromacy



## Original Color

76.5934, 82.4744, 81.6943

## Protanomaly

77.8675, 82.2967, 80.8880

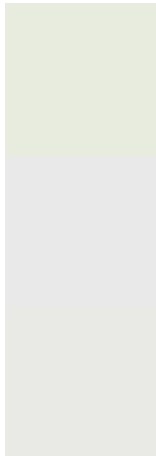
## Deuteranomaly

80.6612, 82.4170, 83.6083

## Tritanomaly

79.1280, 82.2313, 94.1398

# Monochromacy



## Original Color

76.5934, 82.4744, 81.6943

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.1699, 81.8264, 85.8555

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5934, 82.4744, 81.6943 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, 236, 223) looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 223)  
}
```

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, 236, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5934, 82.4744, 81.6943 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, 236, 223) }
```



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

```
.border{ border-color:rgb(232, 236, 223) }
```

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

Here you see how a box with a 4 pixel rgb(232, 236, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 236, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 236, 223);  
box-shadow:4px 4px 4px 4px rgb(232, 236,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5934, 82.4744, 81.6943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 236, 223) }
```

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

```
.background{ background-color: rgb(232,  
236, 223) }
```

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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