

Converting Colors

XYZ(76.6847, 82.8982, 81.8805)

Have a look what the booklet for
XYZ(76.6847, 82.8982, 81.8805)
contains.

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Color

**XYZ(76.5585, 82.8850,
81.7754)**

Conversions

Conversions Part 1

Format	Color
Hex	E7EDDF
RGB	231, 237, 223
RGB Percent	91%, 93%, 87%
CMY	0.0941, 0.0706, 0.1255
CMYK	0.03, 0.00, 0.06, 0.07
HSL	86°, 28%, 90%
HSV	86°, 6%, 93%
XYZ	76.5585, 82.8850, 81.7754
YIQ	233.6100, 0.9180, -5.6260

Conversions

Conversions Part 2

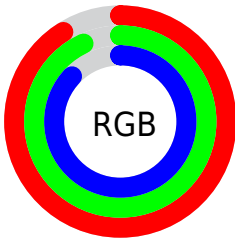
Format	Color
R _Y B	223, 237, 229
Decimal	15199711
CIE Lab	92.96, -4.46, 6.07
CIE LCh	93, 7.533, 126.270
Yxy	82.8850, 0.3174, 0.3436
Android (android.graphics.Color)	4293389791 (0xFFE7EDDF)
YUV	233.6100, -5.2307, -2.2890
Hunter-Lab	91.0412, -9.2176, 10.4731

Details

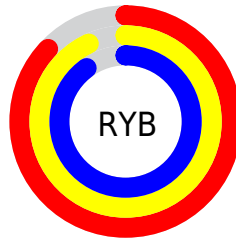
The XYZ color **76.5585, 82.8850, 81.7754** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.9900, 75.5500, 90.8080**, and the grayscale version is **77.9517, 82.0113, 89.3103**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2710, 44.9889, 43.5543** is the 20% darker color. If you saturate the color by 10%, you get **70.3997, 80.0562, 65.9583**, and if you desaturate by 10%, it is **83.3597, 85.9981, 99.9608**.

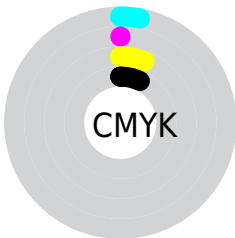
Distribution



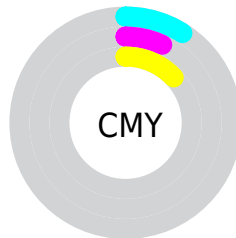
- Red (91%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5585, 82.8850, 81.7754 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 76.5585, 82.8850, 81.7754 by changing the saturation by 10% instead.

76.5585, 82.8850,
81.7754

76.5585, 82.8850,
81.7754

472.1725,
504.6032, 520.7598

57.1892, 62.0953,
60.6457

127.4922,
137.4144, 137.6928

41.3979, 45.1097,
43.5106

159.7874,
171.9228, 173.3177

28.8192, 31.5438,
29.9516

197.1220,
211.7730, 214.6112

19.0877, 21.0133,
19.5501

239.8612,
257.3493, 261.9922

11.8380, 13.1337,
11.8876

288.3705,
309.0360, 315.8789

6.7049, 7.5207,
6.5456

343.0153,

3.3229, 3.7898,

367.2177, 376.6901

3.1055

404.1608,
432.2786, 444.8442

■ 1.3267, 1.5567,
1.1487

■ 0.2031, 0.3281,
0.0000

■ 76.5585, 82.8850,
81.7754

■ 76.5585, 82.8850,
81.7754

■ 70.3997, 80.0562,
65.9583

■ 83.3597, 85.9981,
99.9608

■ 64.8547, 77.4918,
52.4066

■ 88.2365, 88.3612,
107.0126

■ 59.9028, 75.1860,
41.0180

■ 89.5758, 89.0516,
107.0753

■ 55.5193, 73.1283,
31.6800

■ 51.6775, 71.3078,
24.2701

■ 48.3480, 69.7123,
18.6526

■ 45.4981, 68.3283,
14.6744

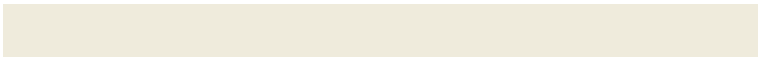
■ 43.0901, 67.1401,
12.1564

■ 41.0781, 66.1291,
10.8776

Harmonies

Analogous

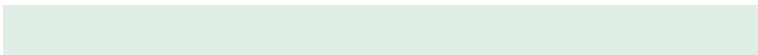
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3664, 82.8850, 79.8814



76.5585, 82.8850, 81.7754



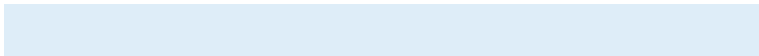
75.3604, 82.8850, 85.9493

Triad

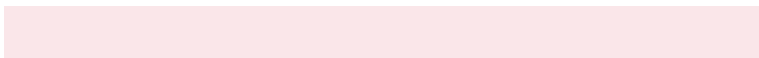
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5585, 82.8850, 81.7754



77.2642, 82.8850, 100.5547



82.6079, 82.8850, 89.0672

Complementary

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



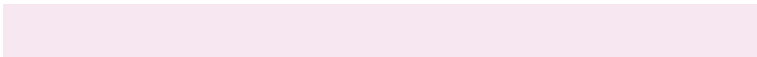
76.5585, 82.8850, 81.7754



73.9900, 75.5500, 90.8080

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.



82.3009, 82.8850, 94.6871



76.5585, 82.8850, 81.7754



79.1944, 82.8850, 101.4741

Square

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



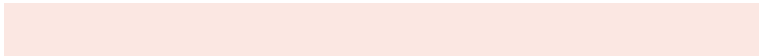
76.5585, 82.8850, 81.7754



75.7631, 82.8850, 96.8233



81.0435, 82.8850, 99.2858



81.8754, 82.8850, 83.9767

Rectangle

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



76.5585, 82.8850, 81.7754



75.0575, 82.8850, 89.5434



81.0435, 82.8850, 99.2858



82.6230, 82.8850, 90.9557

Sweetspot

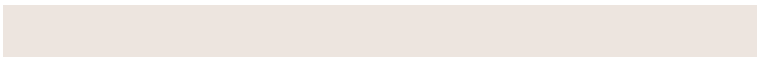
The Sweet Spot groups the original color and five complimentary colors.



76.5608, 82.8886, 81.7772



93.4397, 99.2635, 104.5953



76.2206, 79.2816, 81.0989



20.0169, 21.2542, 22.4328



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

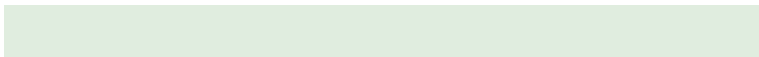
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5608, 82.8886, 81.7772



89.5482, 97.4805, 94.3316



74.3981, 81.7737, 81.6760



15.9443, 17.4026, 16.6826



22.1765, 35.9769, 5.7754



1.8511, 2.8816, 0.4586

Inverse Universe

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



73.9900, 75.5500, 90.8080



85.9652, 87.2524, 106.9183



76.2135, 76.6963, 90.9120



15.2566, 15.4396, 19.0983



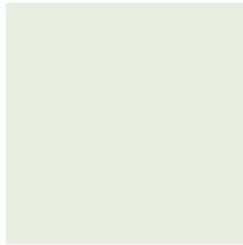
11.4568, 4.9421, 44.0931



1.0078, 0.4438, 3.4674

Previews

White Background



This preview shows how the XYZ color 76.5585, 82.8850, 81.7754 looks on a white background.

Color Contrast Check

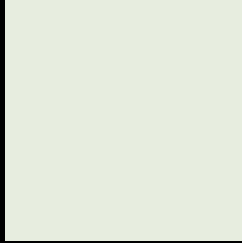
Large Text (above 18pt) WCAG AA × Fail

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 76.5585, 82.8850, 81.7754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

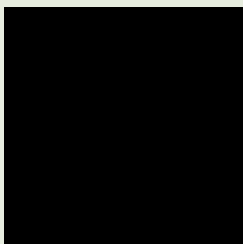
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

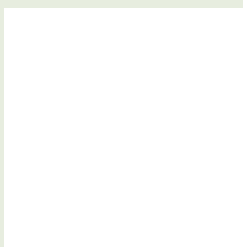
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.5585, 82.8850, 81.7754

Background



This preview shows how black text looks on a background with the XYZ color 76.5585, 82.8850, 81.7754.



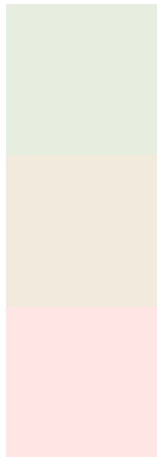
This preview shows how white text looks on a background with the XYZ color 76.5585, 82.8850,

81.7754.

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

76.5585, 82.8850, 81.7754

Protanopia

79.0919, 82.9433, 80.2477

Deuteranopia

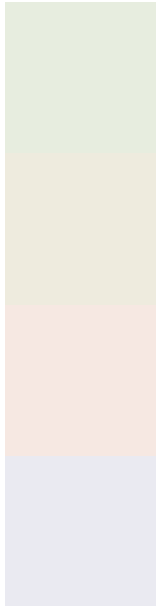
83.1244, 82.8447, 84.2825



Tritanopia

80.8124, 82.9050, 103.0098

Trichromacy



Original Color

76.5585, 82.8850, 81.7754

Protanomaly

78.1530, 82.8677, 80.9832

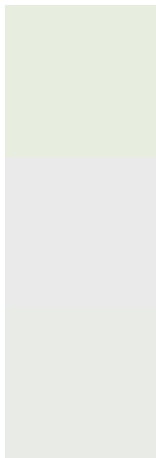
Deuteranomaly

80.5901, 82.7970, 83.6854

Tritanomaly

79.2317, 82.6889, 95.0037

Monochromacy



Original Color

76.5585, 82.8850, 81.7754

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.5955, 82.4535, 86.6883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5585, 82.8850, 81.7754 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(231, 237, 223) looks like.

```
.text, #text, p{  
    color:rgb(231, 237, 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(231, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 223) }
```

Border

The CSS property to change the border of an element to XYZ 76.5585, 82.8850, 81.7754 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(231, 237, 223) }
```


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

```
.border{ border-color:rgb(231, 237, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 237, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5585, 82.8850, 81.7754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 237, 223) }
```

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

```
.background{ background-color: rgb(231,  
237, 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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