

# Converting Colors

XYZ(76.5903, 82.9344, 81.0509)

Have a look what the booklet for  
XYZ(76.5903, 82.9344, 81.0509)  
contains.

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# Color

**XYZ(76.4240, 82.8312,  
81.0673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7EDDE
RGB	231, 237, 222
RGB Percent	91%, 93%, 87%
CMY	0.0941, 0.0706, 0.1294
CMYK	0.03, 0.00, 0.06, 0.07
HSL	84°, 29%, 90%
HSV	84°, 6%, 93%
XYZ	76.4240, 82.8312, 81.0673
YIQ	233.4960, 1.2390, -5.9370

# Conversions

## Conversions Part 2

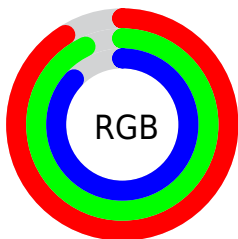
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 237, 228
Decimal	15199710
CIE Lab	92.94, -4.63, 6.56
CIE LCh	93, 8.027, 125.203
Yxy	82.8312, 0.3180, 0.3447
Android (android.graphics.Color)	4293389790 (0xFFE7EDDE)
YUV	233.4960, -5.6675, -2.1890
Hunter-Lab	91.0116, -9.3810, 10.8964

# Details

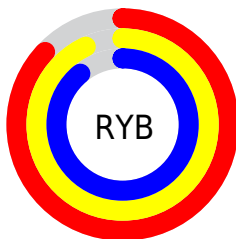
The XYZ color **76.4240, 82.8312, 81.0673** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **73.4054, 74.8532, 90.7043**, and the grayscale version is **77.8686, 81.9239, 89.2151**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1781, 44.9517, 43.0654** is the 20% darker color. If you saturate the color by 10%, you get **70.4901, 80.1162, 65.3572**, and if you desaturate by 10%, it is **82.9750, 85.8176, 99.1406**.

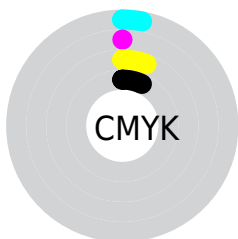
# Distribution



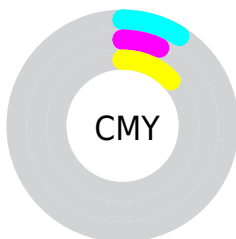
- Red (91%)
- Green (93%)
- Blue (87%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4240, 82.8312, 81.0673 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 76.4240, 82.8312, 81.0673 by changing the saturation by 10% instead.



76.4240, 82.8312,  
81.0673

76.4240, 82.8312,  
81.0673

471.7200,  
504.4238, 518.3238

57.0785, 62.0509,  
60.0657

127.3032,  
137.3390, 136.6902

41.3087, 45.0738,  
43.0460

159.5677,  
171.8353, 172.1486

28.7491, 31.5156,  
29.5895

196.8692,  
211.6724, 213.2629

19.0344, 20.9918,  
19.2778

239.5732,  
257.2348, 260.4518

11.7993, 13.1180,  
11.6924

288.0449,  
308.9066, 314.1338

6.6784, 7.5098,  
6.4146

342.6497,

3.3063, 3.7829,

367.0725, 374.7275

3.0259

403.7529,  
432.1168, 442.6513

■ 1.3178, 1.5529,  
1.1079

■ 0.1964, 0.3255,  
0.0000

■ 76.4240, 82.8312,  
81.0673

■ 76.4240, 82.8312,  
81.0673

■ 70.4901, 80.1162,  
65.3572

■ 82.9750, 85.8176,  
99.1406

■ 65.1452, 77.6529,  
51.9071

■ 87.7495, 88.1101,  
106.9898

■ 60.3693, 75.4359,  
40.6144

■ 89.5758, 89.0516,  
107.0753

■ 56.1381, 73.4549,  
31.3664

■ 52.4256, 71.6994,  
24.0399

■ 49.2029, 70.1573,  
18.4989

■ 46.4380, 68.8157,  
14.5892

■ 44.0936, 67.6590,  
12.1305

■ 42.1238, 66.6688,  
10.8979

# Harmonies

## Analogous

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



78.3630, 82.8312, 79.1573



76.4240, 82.8312, 81.0673



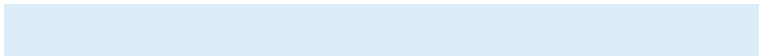
75.1201, 82.8312, 85.4262

# Triad

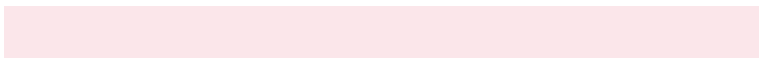
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4240, 82.8312, 81.0673



77.0474, 82.8312, 101.0981



82.8181, 82.8312, 89.1445

# Complementary

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



76.4240, 82.8312, 81.0673



73.4054, 74.8532, 90.7043

# 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.



82.4508, 82.8312, 95.1258



76.4240, 82.8312, 81.0673



79.0953, 82.8312, 102.2010

# Square

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



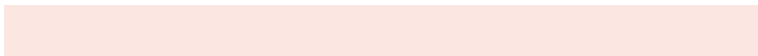
76.4240, 82.8312, 81.0673



75.4755, 82.8312, 97.0202



81.0790, 82.8312, 99.9707



82.0738, 82.8312, 83.6864

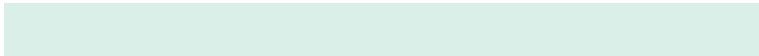


# Rectangle

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



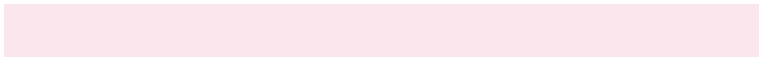
76.4240, 82.8312, 81.0673



74.7735, 82.8312, 89.2257



81.0790, 82.8312, 99.9707



82.8207, 82.8312, 91.1594

# Sweetspot

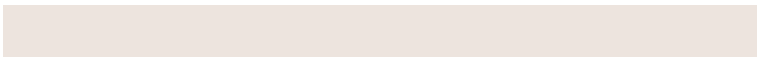
The Sweet Spot groups the original color and five complimentary colors.



76.4263, 82.8348, 81.0691



93.4928, 99.2908, 104.5977



75.8563, 78.7681, 80.3142



20.0277, 21.2598, 22.4333



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

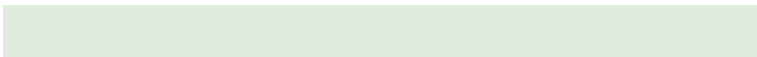
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4263, 82.8348, 81.0691



88.9977, 97.2395, 92.3730



74.0572, 81.6135, 80.9582



15.7350, 17.3089, 16.0304



22.7913, 36.2938, 5.8042



1.8977, 2.9056, 0.4608



# Inverse Universe

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



73.4054, 74.8532, 90.7043



84.5246, 85.4205, 106.6406



75.8366, 76.1065, 90.8181



14.8017, 14.8430, 19.0071



11.0520, 4.7334, 44.0741

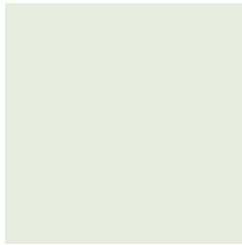


0.9738, 0.4263, 3.4658



# Previews

## White Background



This preview shows how the XYZ color 76.4240, 82.8312, 81.0673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

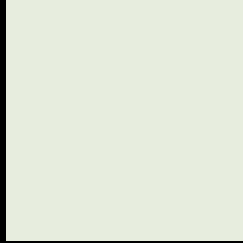
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4240, 82.8312, 81.0673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

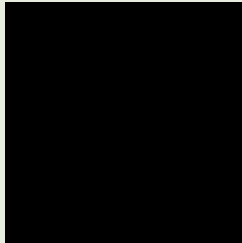
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

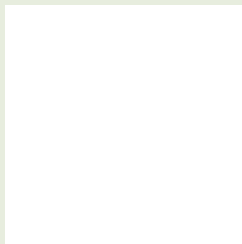
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.4240, 82.8312, 81.0673**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4240, 82.8312, 81.0673.



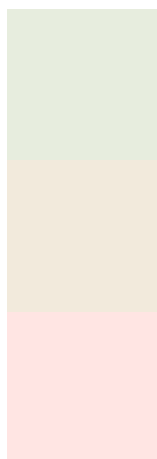
This preview shows how white text looks on a background with the XYZ color 76.4240, 82.8312, 81.0673.

81.0673.

# 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

76.4240, 82.8312, 81.0673

### Protanopia

78.9590, 82.8902, 79.5480

### Deuteranopia

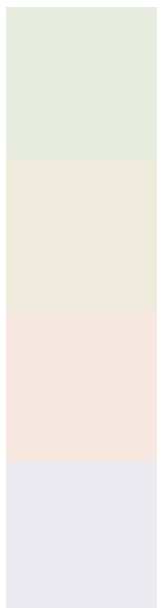
83.1244, 82.8447, 84.2825



## Tritanopia

80.8124, 82.9050, 103.0098

# Trichromacy



## Original Color

76.4240, 82.8312, 81.0673

## Protanomaly

78.0194, 82.8143, 80.2793

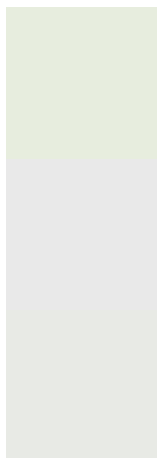
## Deuteranomaly

80.4533, 82.7423, 82.9647

## Tritanomaly

79.0827, 82.6293, 94.2190

# Monochromacy



## Original Color

76.4240, 82.8312, 81.0673

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.8444, 81.6586, 85.8403

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4240, 82.8312, 81.0673 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, 222) looks like.

```
.text, #text, p{  
    color:rgb(231, 237, 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(231, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4240, 82.8312, 81.0673 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, 222) }
```



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

```
.border{ border-color:rgb(231, 237, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4240, 82.8312, 81.0673 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, 222) }
```

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

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