

# Converting Colors

XYZ(74.8757, 80.8564, 80.0679)

Have a look what the booklet for  
XYZ(74.8757, 80.8564, 80.0679)  
contains.

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# Color

**XYZ(74.7871, 80.7241,  
80.0462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5EADD
RGB	229, 234, 221
RGB Percent	90%, 92%, 87%
CMY	0.1020, 0.0823, 0.1333
CMYK	0.02, 0.00, 0.06, 0.08
HSL	83°, 24%, 89%
HSV	83°, 6%, 92%
XYZ	74.7871, 80.7241, 80.0462
YIQ	231.0230, 1.1930, -5.1030

# Conversions

## Conversions Part 2

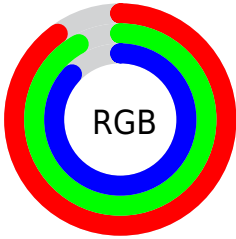
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 234, 226
Decimal	15067869
CIE Lab	92.01, -3.95, 5.72
CIE LCh	92, 6.951, 124.676
Yxy	80.7241, 0.3175, 0.3427
Android (android.graphics.Color)	4293257949 (0xFFE5EADD)
YUV	231.0230, -4.9413, -1.7742
Hunter-Lab	89.8466, -8.6505, 10.0699

# Details

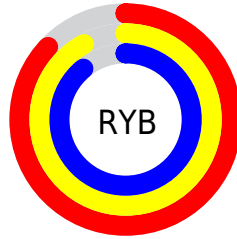
The XYZ color **74.7871, 80.7241, 80.0462** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.0748, 73.8243, 88.2968**, and the grayscale version is **76.0097, 79.9681, 87.0853**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2589, 43.5926, 42.3687** is the 20% darker color. If you saturate the color by 10%, you get **69.0857, 78.1227, 64.6232**, and if you desaturate by 10%, it is **81.0767, 83.5831, 97.7685**.

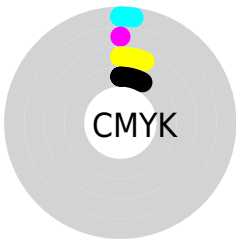
# Distribution



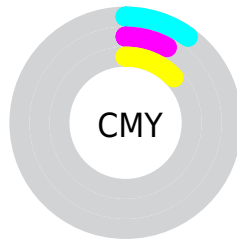
- Red (90%)
- Green (92%)
- Blue (87%)



- Red (87%)
- Yellow (92%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (10%)
- Magenta (8%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7871, 80.7241, 80.0462 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 74.7871, 80.7241, 80.0462 by changing the saturation by 10% instead.



■ 74.7871, 80.7241,  
80.0462

■ 74.7871, 80.7241,  
80.0462

466.1939,  
497.3698, 514.7994

■ 55.7321, 60.3144,  
59.2300

125.0005,  
134.3833, 135.2427

■ 40.2243, 43.6721,  
42.3771

156.8895,  
168.4016, 170.4600

■ 27.8985, 30.4128,  
29.0689

193.7872,  
207.7249, 211.3148

■ 18.3892, 20.1521,  
18.8869

236.0590,  
252.7375, 258.2256

■ 11.3311, 12.5057,  
11.4126

284.0702,  
303.8239, 311.6109

■ 6.3590, 7.0890,  
6.2274

338.1862,

■ 3.1073, 3.5179,

361.3685, 371.8892

2.9128

398.7724,  
425.7557, 439.4792

■ 1.2107, 1.4077,  
1.0503

■ 0.1148, 0.2224,  
0.0000

■ 74.7871, 80.7241,  
80.0462

■ 74.7871, 80.7241,  
80.0462

■ 69.0857, 78.1227,  
64.6232

■ 81.0767, 83.5831,  
97.7685

■ 63.9456, 75.7603,  
51.3999

■ 85.8360, 85.8449,  
106.6534

■ 59.3477, 73.6314,  
40.2774

■ 88.7144, 87.3288,  
106.7881

■ 55.2691, 71.7267,  
31.1471

■ 51.6849, 70.0358,  
23.8906

■ 48.5677, 68.5477,  
18.3771

■ 45.8871, 67.2497,  
14.4588

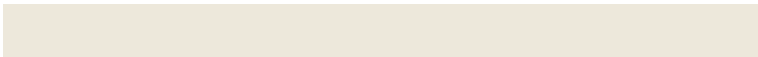
■ 43.6077, 66.1275,  
11.9636

■ 41.6866, 65.1636,  
10.6793

# Harmonies

## Analogous

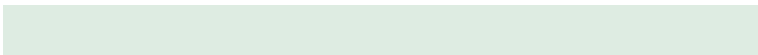
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4460, 80.7241, 78.4453



74.7871, 80.7241, 80.0462



73.6610, 80.7241, 83.7515

# Triad

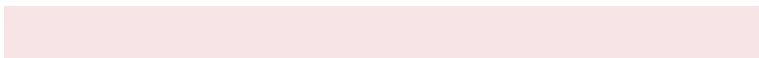
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.7871, 80.7241, 80.0462



75.2651, 80.7241, 97.0953



80.2024, 80.7241, 87.0950

# Complementary

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



74.7871, 80.7241, 80.0462



72.0748, 73.8243, 88.2968

# 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.



79.8745, 80.7241, 92.1726



74.7871, 80.7241, 80.0462



77.0063, 80.7241, 98.0743

# Square

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



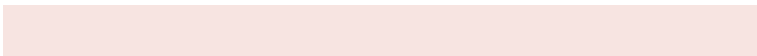
74.7871, 80.7241, 80.0462



73.9340, 80.7241, 93.6144



78.6978, 80.7241, 96.2404



79.5871, 80.7241, 82.4131

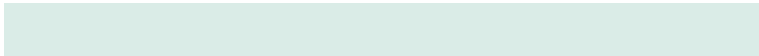


# Rectangle

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



74.7871, 80.7241, 80.0462



73.3545, 80.7241, 86.9846



78.6978, 80.7241, 96.2404



80.1989, 80.7241, 88.8114

# Sweetspot

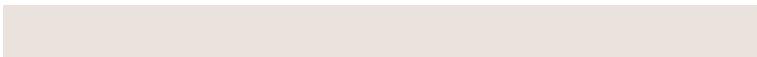
The Sweet Spot groups the original color and five complimentary colors.



74.7893, 80.7276, 80.0480



93.5213, 99.3055, 104.5991



74.1775, 77.0993, 79.3799



20.0335, 21.2628, 22.4335



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.



74.7893, 80.7276, 80.0480



89.8259, 97.6236, 94.3446



72.7591, 79.6810, 79.9529



15.9976, 17.4301, 16.6851



23.1375, 36.4723, 5.8204



1.9237, 2.9190, 0.4620



# Inverse Universe

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



72.0748, 73.8243, 88.2968



85.6924, 87.1117, 106.9055



74.1465, 74.8923, 88.3938



15.2043, 15.4126, 19.0958



10.8476, 4.6281, 44.0645

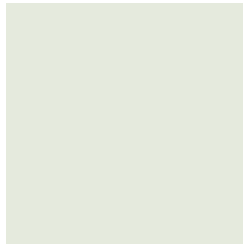


0.9563, 0.4173, 3.4650



# Previews

## White Background



This preview shows how the XYZ color 74.7871, 80.7241, 80.0462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

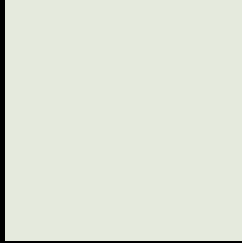
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7871, 80.7241, 80.0462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

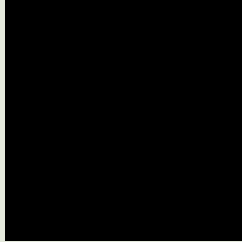
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

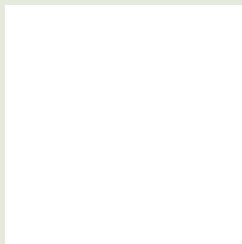
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.7871, 80.7241, 80.0462**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7871, 80.7241, 80.0462.



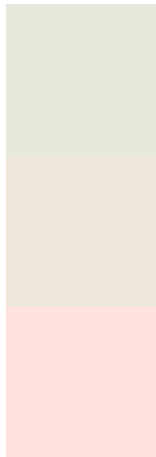
This preview shows how white text looks on a background with the XYZ color 74.7871, 80.7241,



# 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

74.7871, 80.7241, 80.0462

### Protanopia

76.9587, 80.6170, 78.5223

### Deuteranopia

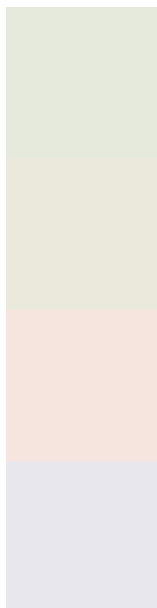
81.6198, 80.4922, 81.7557



## Tritanopia

78.8444, 80.6946, 100.2270

# Trichromacy



## Original Color

74.7871, 80.7241, 80.0462

## Protanomaly

76.0358, 80.5427, 79.2489

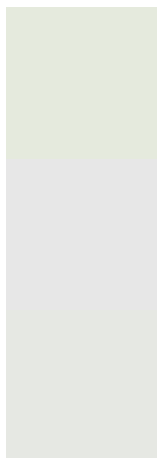
## Deuteranomaly

79.0687, 80.4073, 81.1648

## Tritanomaly

77.2872, 80.4807, 92.3498

# Monochromacy



## Original Color

74.7871, 80.7241, 80.0462

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.3549, 80.0823, 84.1588

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7871, 80.7241, 80.0462 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(229, 234, 221) looks like.

```
.text, #text, p{  
    color:rgb(229, 234, 221)  
}
```

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(229, 234, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 234, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7871, 80.7241, 80.0462 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(229, 234, 221) }
```



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

```
.border{ border-color:rgb(229, 234, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 234, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 234, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 234, 221);  
box-shadow:4px 4px 4px 4px rgb(229, 234,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7871, 80.7241, 80.0462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 234, 221) }
```

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

```
.background{ background-color: rgb(229,  
234, 221) }
```

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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