

# Converting Colors

XYZ(74.6270, 76.9445, 81.6417)

Have a look what the booklet for  
XYZ(74.6270, 76.9445, 81.6417)  
contains.

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# Color

**XYZ(74.6407, 76.8944,  
81.4291)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">EBE1E0</a>
RGB	<a href="#">235, 225, 224</a>
RGB Percent	<a href="#">92%, 88%, 88%</a>
CMY	<a href="#">0.0784, 0.1176, 0.1216</a>
<a href="#">CMYK</a>	<a href="#">0.00, 0.04, 0.05, 0.08</a>
HSL	<a href="#">5°, 22%, 90%</a>
HSV	<a href="#">5°, 5%, 92%</a>
XYZ	<a href="#">74.6407, 76.8944, 81.4291</a>
YIQ	<a href="#">227.8760, 6.2810, 1.8090</a>

# Conversions

## Conversions Part 2

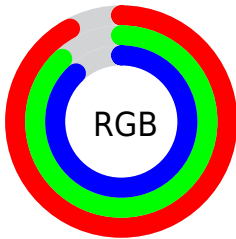
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 225, 224
Decimal	15458784
CIE Lab	90.27, 3.23, 1.69
CIE LCh	90, 3.642, 27.655
Yxy	76.8944, 0.3204, 0.3301
Android (android.graphics.Color)	4293648864 (0xFFEBE1E0)
YUV	227.8760, -1.9109, 6.2477
Hunter-Lab	87.6895, -1.5185, 6.3255

# Details

The XYZ color **74.6407, 76.8944, 81.4291** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.1586, 80.6899, 90.2117**, and the grayscale version is **73.6643, 77.5006, 84.3981**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1266, 41.1977, 43.3732** is the 20% darker color. If you saturate the color by 10%, you get **66.2553, 64.8758, 63.9816**, and if you desaturate by 10%, it is **84.1930, 90.5400, 101.4407**.

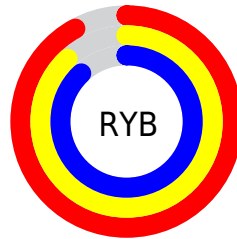
# Distribution



Red (92%)

Green (88%)

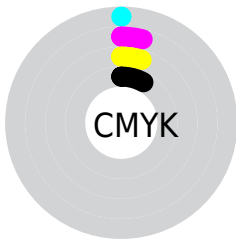
Blue (88%)



Red (92%)

Yellow (88%)

Blue (88%)

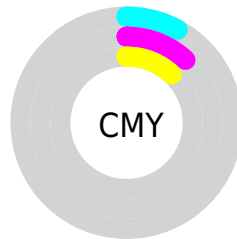


Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6407, 76.8944, 81.4291 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 74.6407, 76.8944, 81.4291 by changing the saturation by 10% instead.



74.6407, 76.8944,  
81.4291

74.6407, 76.8944,  
81.4291

465.6979,  
484.4039, 519.5693

55.6117, 57.1662,  
60.3620

124.7943,  
128.9904, 137.2026

40.1275, 41.1387,  
43.2833

156.6496,  
162.1270, 172.7461

27.8226, 28.4275,  
29.7744

193.5110,  
200.5019, 213.9521

18.3318, 18.6481,  
19.4168

235.7439,  
244.4994, 261.2392

11.2896, 11.4163,  
11.7920

283.7138,  
294.5040, 315.0259

6.3307, 6.3476,  
6.4814

337.7858,

3.0897, 3.0576,

350.9000, 375.7308

3.0665

398.3254,  
414.0718, 443.7724

■ 1.2014, 1.1619,  
1.1287

■ 0.1075, 0.0302,  
0.0000

■ 74.6407, 76.8944,  
81.4291

■ 74.6407, 76.8944,  
81.4291

■ 66.2553, 64.8758,  
63.9816

■ 84.1930, 90.5400,  
101.4407

■ 58.9858, 54.4138,  
48.9897

■ 88.0714, 96.4024,  
108.5734

■ 52.7871, 45.4478,  
36.3446

■ 47.6083, 37.9093,  
25.9275

■ 43.3946, 31.7246,  
17.6090

■ 40.0859, 26.8133,  
11.2465

■ 37.6153, 23.0864,  
6.6796

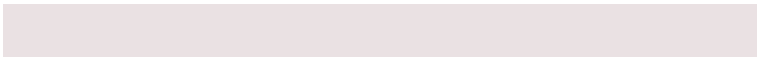
■ 35.9067, 20.4435,  
3.7226

■ 34.8694, 18.7674,  
2.1487

# Harmonies

## Analogous

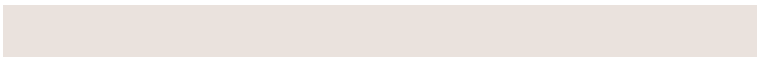
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8414, 76.8944, 83.9293



74.6407, 76.8944, 81.4291



74.0224, 76.8944, 79.5777

# Triad

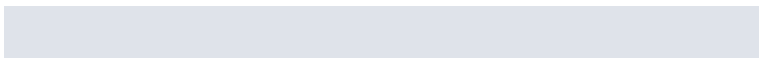
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6407, 76.8944, 81.4291



71.6230, 76.8944, 81.0824



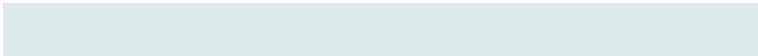
73.0145, 76.8944, 88.8126

# Complementary

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



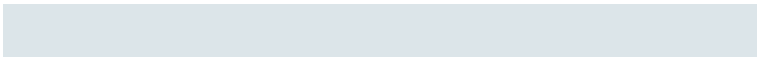
74.6407, 76.8944, 81.4291



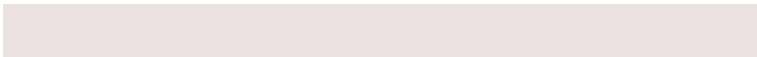
75.1586, 80.6899, 90.2117

# 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.



72.1572, 76.8944, 88.0138



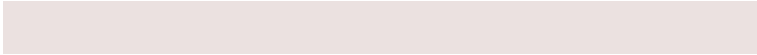
74.6407, 76.8944, 81.4291



71.3580, 76.8944, 83.5209

# Square

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



74.6407, 76.8944, 81.4291



72.2797, 76.8944, 79.3805



71.5527, 76.8944, 86.0635



73.8979, 76.8944, 88.2251



# Rectangle

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



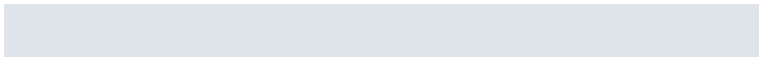
74.6407, 76.8944, 81.4291



73.4591, 76.8944, 78.9422



71.5527, 76.8944, 86.0635



72.7138, 76.8944, 88.6970

# Sweetspot

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



74.6429, 76.8977, 81.4308



93.9073, 98.3673, 106.5071



75.7809, 76.9199, 88.7586



20.1121, 21.0719, 22.8221



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

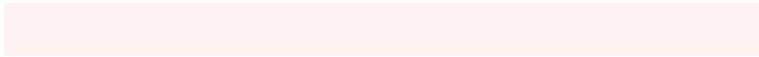


# Same Dimension

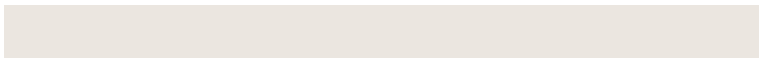
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6429, 76.8977, 81.4308



88.4075, 90.5012, 95.0135



76.1294, 79.8709, 81.9263



15.7001, 16.0258, 16.7589



19.2610, 10.2162, 0.9567

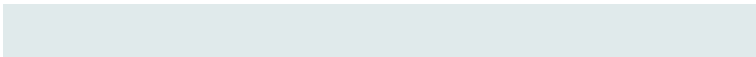


1.5503, 0.8780, 0.0878

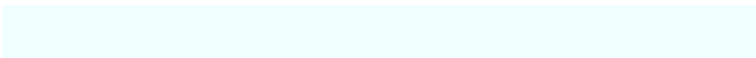


# Inverse Universe

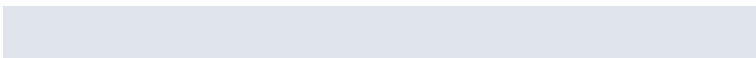
The Inverse Universe completely reimagines the original color for something new.



75.1586, 80.6899, 90.2117



89.1995, 96.3250, 108.4990



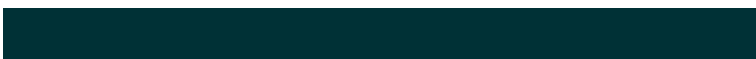
73.6411, 77.6549, 89.7058



15.8552, 17.1664, 19.4000



21.7151, 30.0771, 48.4039

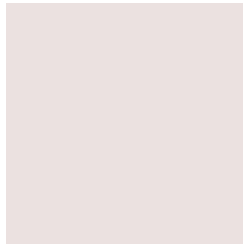


1.7396, 2.4306, 3.8123



# Previews

## White Background



This preview shows how the XYZ color 74.6407, 76.8944, 81.4291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

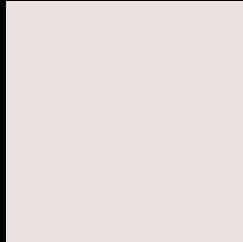
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.6407, 76.8944, 81.4291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

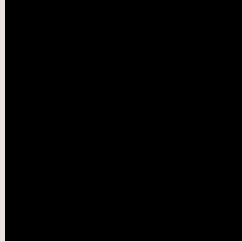
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

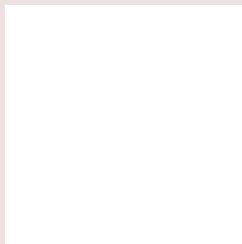
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.6407, 76.8944, 81.4291**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6407, 76.8944, 81.4291.



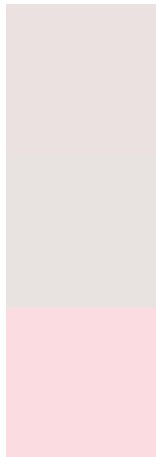
This preview shows how white text looks on a background with the XYZ color 74.6407, 76.8944,

81.4291.

# 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

74.6407, 76.8944, 81.4291

### Protanopia

74.0657, 76.9848, 82.1900

### Deuteranopia

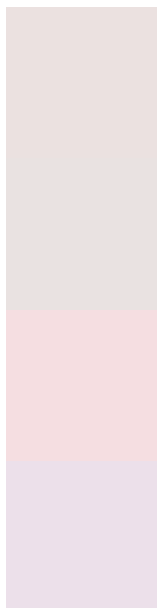
78.6081, 76.9466, 81.9433



## Tritanopia

77.0409, 77.0711, 93.2538

# Trichromacy



## Original Color

74.6407, 76.8944, 81.4291

## Protanomaly

74.3912, 77.1526, 82.2053

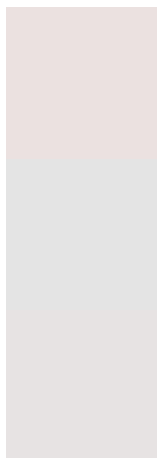
## Deuteranomaly

77.3681, 77.0913, 82.0365

## Tritanomaly

76.0990, 77.0847, 88.7099

# Monochromacy



## Original Color

74.6407, 76.8944, 81.4291

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.2892, 77.4731, 83.7114

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.6407, 76.8944, 81.4291 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(235, 225, 224) looks like.

```
.text, #text, p{  
    color:rgb(235, 225, 224)  
}
```

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(235, 225, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 225, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6407, 76.8944, 81.4291 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(235, 225, 224) }
```



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

```
.border{ border-color:rgb(235, 225, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 225, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 225, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 225, 224);  
box-shadow:4px 4px 4px 4px rgb(235, 225,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6407, 76.8944, 81.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 225, 224) }
```

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

```
.background{ background-color: rgb(235,  
225, 224) }
```

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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