

# Converting Colors

XYZ(76.1694, 79.8448, 81.6407)

Have a look what the booklet for  
XYZ(76.1694, 79.8448, 81.6407)  
contains.

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# Color

**XYZ(76.0123, 79.6376,  
81.8863)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE6E0
RGB	235, 230, 224
RGB Percent	92%, 90%, 88%
CMY	0.0784, 0.0980, 0.1216
CMYK	0.00, 0.02, 0.05, 0.08
HSL	33°, 22%, 90%
HSV	33°, 5%, 92%
XYZ	76.0123, 79.6376, 81.8863
YIQ	230.8110, 4.9060, -0.8060

# Conversions

## Conversions Part 2

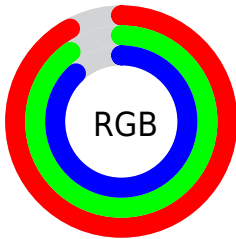
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 235, 224
Decimal	15460064
CIE Lab	91.52, 0.65, 3.50
CIE LCh	92, 3.565, 79.486
Yxy	79.6376, 0.3200, 0.3353
Android (android.graphics.Color)	4293650144 (0xFFE6E0)
YUV	230.8110, -3.3578, 3.6738
Hunter-Lab	89.2399, -4.1280, 8.0636

# Details

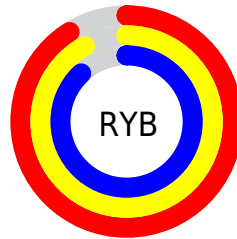
The XYZ color **76.0123, 79.6376, 81.8863** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.7551, 77.8829, 89.7438**, and the grayscale version is **75.8386, 79.7881, 86.8893**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0818, 43.1082, 43.6916** is the 20% darker color. If you saturate the color by 10%, you get **70.1638, 72.6928, 65.2845**, and if you desaturate by 10%, it is **82.4877, 87.1293, 100.8722**.

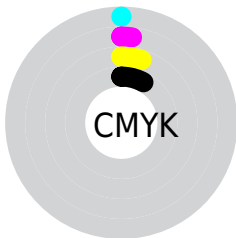
# Distribution



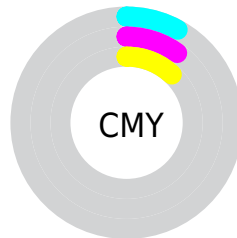
- Red (92%)
- Green (90%)
- Blue (88%)



- Red (91%)
- Yellow (92%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (8%)



- Cyan (8%)
- Magenta (10%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0123, 79.6376, 81.8863 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 76.0123, 79.6376, 81.8863 by changing the saturation by 10% instead.



76.0123, 79.6376,  
81.8863

76.0123, 79.6376,  
81.8863

470.3335,  
493.7107, 521.1408

56.7397, 59.4202,  
60.7366

126.7246,  
132.8561, 137.8498

41.0356, 42.9515,  
43.5834

158.8949,  
166.6260, 173.5006

28.5347, 29.8470,  
30.0084

196.0952,  
205.6821, 214.8222

18.8716, 19.7225,  
19.5928

238.6908,  
250.4089, 262.2331

11.6810, 12.1935,  
11.9183

287.0471,  
301.1908, 316.1519

6.5975, 6.8756,  
6.5662

341.5294,

3.2558, 3.3844,

358.4121, 376.9971

3.1180

402.5031,  
422.4573, 445.1872

■ 1.2904, 1.3356,  
1.1552

■ 0.1760, 0.1685,  
0.0000

■ 76.0123, 79.6376,  
81.8863

■ 76.0123, 79.6376,  
81.8863

■ 70.1638, 72.6928,  
65.2845

■ 82.4877, 87.1293,  
100.8722

■ 64.9144, 66.2709,  
50.9659

■ 86.9185, 94.0966,  
108.1891

■ 60.2437, 60.3610,  
38.8302

■ 88.0714, 96.4024,  
108.5734

■ 56.1277, 54.9481,  
28.7673

■ 52.5403, 50.0161,  
20.6575

■ 49.4531, 45.5477,  
14.3689

■ 46.8344, 41.5244,  
9.7527

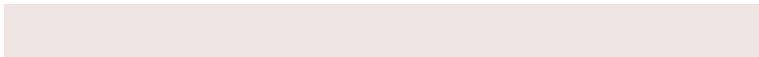
■ 44.6476, 37.9253,  
6.6362

■ 42.8489, 34.7263,  
4.8086

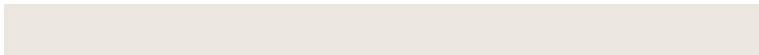
# Harmonies

## Analogous

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



76.8334, 79.6376, 82.9645



76.0123, 79.6376, 81.8863



75.1121, 79.6376, 82.0814

# Triad

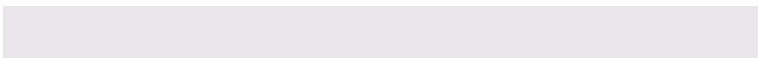
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0123, 79.6376, 81.8863



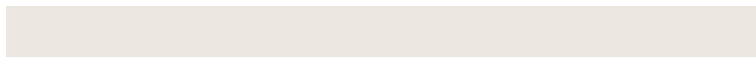
74.0586, 79.6376, 88.3910



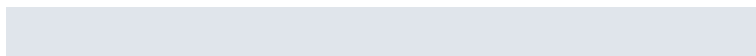
77.0287, 79.6376, 90.0020

# Complementary

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



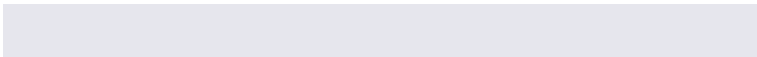
76.0123, 79.6376, 81.8863



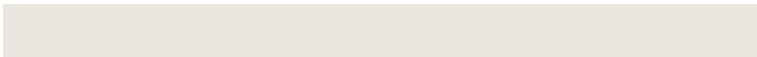
73.7551, 77.8829, 89.7438

# 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.



76.2772, 79.6376, 91.5132



76.0123, 79.6376, 81.8863



74.5642, 79.6376, 90.5703

# Square

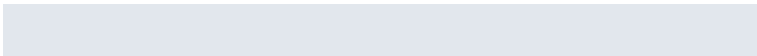
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



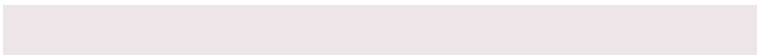
76.0123, 79.6376, 81.8863



73.9889, 79.6376, 85.8023



75.3749, 79.6376, 91.7233

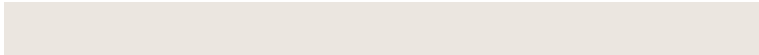


77.4234, 79.6376, 87.6278



# Rectangle

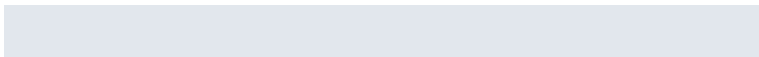
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



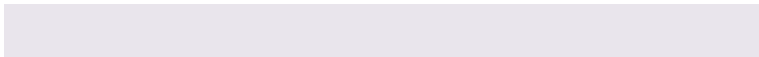
76.0123, 79.6376, 81.8863



74.5880, 79.6376, 82.9084



75.3749, 79.6376, 91.7233



76.8092, 79.6376, 90.6297

# Sweetspot

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



76.0145, 79.6411, 81.8880



94.2738, 99.1001, 106.6293



75.0792, 76.6392, 85.0632



20.1867, 21.2210, 22.8470



0.0000, 0.0000, 0.0000

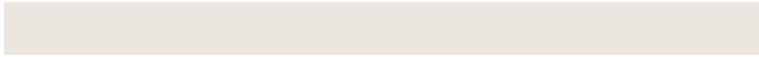


20.3446, 21.4041, 23.3091

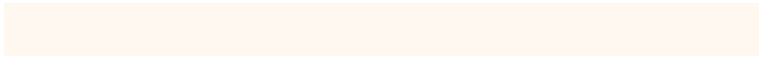


# Same Dimension

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



76.0145, 79.6411, 81.8880



90.5068, 94.6998, 95.7133



77.3039, 82.3994, 82.3525



16.1106, 16.8468, 16.8958



23.5129, 18.7201, 2.3741

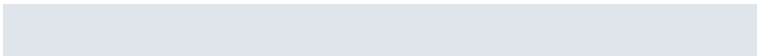


1.9423, 1.6619, 0.2184

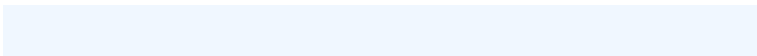


# Inverse Universe

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



73.7551, 77.8829, 89.7438



87.0369, 91.9997, 107.7781



72.5064, 75.2166, 89.2950



15.4310, 16.3180, 19.2586



11.3800, 9.4071, 44.9589

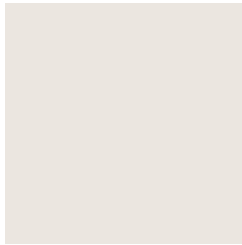


0.9886, 0.9287, 3.5620



# Previews

## White Background



This preview shows how the XYZ color 76.0123, 79.6376, 81.8863 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

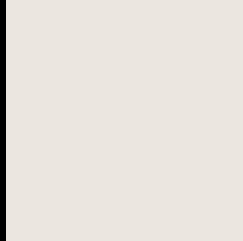
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0123, 79.6376, 81.8863 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

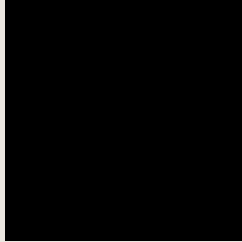
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

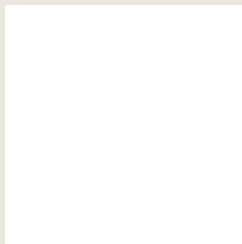
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.0123, 79.6376, 81.8863

## Background



This preview shows how black text looks on a background with the XYZ color 76.0123, 79.6376, 81.8863.



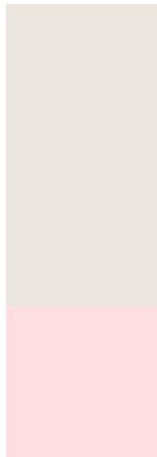
This preview shows how white text looks on a background with the XYZ color 76.0123, 79.6376,

81.8863.

# 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

76.0123, 79.6376, 81.8863

### Protanopia

76.3434, 79.8083, 81.9018

### Deuteranopia

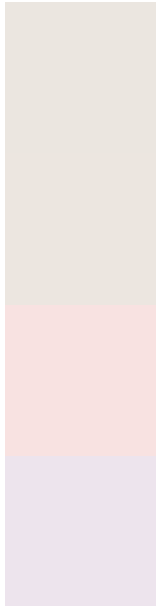
81.2183, 79.4716, 82.2930



## **Tritanopia**

79.2104, 79.7079, 97.5965

# Trichromacy



## Original Color

76.0123, 79.6376, 81.8863

## Protanomaly

76.3434, 79.8083, 81.9018

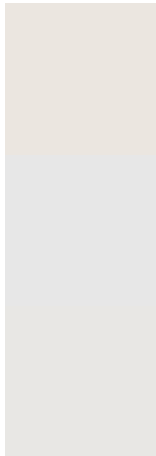
## Deuteranomaly

79.4984, 79.7854, 82.4443

## Tritanomaly

77.9545, 79.6058, 91.3776

# Monochromacy



## Original Color

76.0123, 79.6376, 81.8863

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.8582, 79.9091, 84.8246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0123, 79.6376, 81.8863 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, 230, 224) looks like.

```
.text, #text, p{  
    color:rgb(235, 230, 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, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 230, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0123, 79.6376, 81.8863 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, 230, 224) }
```



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

```
.border{ border-color:rgb(235, 230, 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, 230, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(235, 230,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0123, 79.6376, 81.8863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 230, 224) }
```

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

```
.background{ background-color: rgb(235,  
230, 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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