

# Converting Colors

XYZ(76.7472, 80.2699, 79.8552)

Have a look what the booklet for  
XYZ(76.7472, 80.2699, 79.8552)  
contains.

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# Color

**XYZ(76.8870, 80.5494,  
79.9018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE7DD
RGB	238, 231, 221
RGB Percent	93%, 91%, 87%
CMY	0.0667, 0.0941, 0.1333
CMYK	0.00, 0.03, 0.07, 0.07
HSL	35°, 33%, 90%
HSV	35°, 7%, 93%
XYZ	76.8870, 80.5494, 79.9018
YIQ	231.9530, 7.3820, -1.6260

# Conversions

## Conversions Part 2

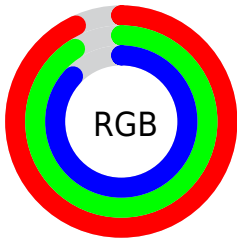
Format	Color
R <sub>Y</sub> B	233, 238, 221
Decimal	15656925
CIE Lab	91.93, 0.66, 5.69
CIE LCh	92, 5.729, 83.366
Yxy	80.5494, 0.3240, 0.3394
Android (android.graphics.Color)	4293847005 (0xFFEEE7DD)
YUV	231.9530, -5.3998, 5.3032
Hunter-Lab	89.7493, -4.1428, 10.0400

# Details

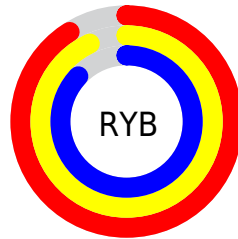
The XYZ color **76.8870, 80.5494, 79.9018** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.9948, 77.0310, 91.9113**, and the grayscale version is **76.7038, 80.6983, 87.8805**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5043, 43.3582, 42.2579** is the 20% darker color. If you saturate the color by 10%, you get **71.2738, 74.0424, 63.4795**, and if you desaturate by 10%, it is **83.1077, 87.5501, 98.7463**.

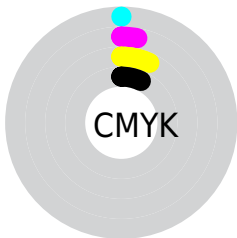
# Distribution



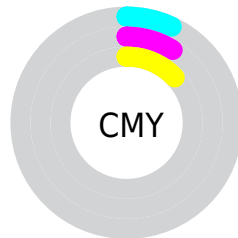
- Red (93%)
- Green (91%)
- Blue (87%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8870, 80.5494, 79.9018 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 76.8870, 80.5494, 79.9018 by changing the saturation by 10% instead.



■ 76.8870, 80.5494,  
79.9018

■ 76.8870, 80.5494,  
79.9018

473.2765,  
496.7824, 514.2999

■ 57.4597, 60.1706,  
59.1119

127.9536,  
134.1379, 135.0378

■ 41.6160, 43.5561,  
42.2826

160.3237,  
168.1163, 170.2210

■ 28.9906, 30.3217,  
28.9954

197.7388,  
207.3967, 211.0389

■ 19.2179, 20.0829,  
18.8318

240.5643,  
252.3635, 257.9102

■ 11.9328, 12.4553,  
11.3732

289.1654,  
303.4011, 311.2535

■ 6.7698, 7.0546,  
6.2011

343.9076,

■ 3.3636, 3.4962,

360.8938, 371.4871

2.8970

405.1562,  
425.2262, 439.0297

■ 1.3488, 1.3960,  
1.0423

■ 0.2193, 0.2138,  
0.0000

■ 76.8870, 80.5494,  
79.9018

■ 76.8870, 80.5494,  
79.9018

■ 71.2738, 74.0424,  
63.4795

■ 83.1077, 87.5501,  
98.7463

■ 66.2401, 68.0061,  
49.3743

■ 87.6809, 94.1385,  
108.1570

■ 61.7654, 62.4308,  
37.4810

■ 89.0704, 96.9174,  
108.6202

■ 57.8254, 57.3025,  
27.6842

■ 54.3936, 52.6065,  
19.8578

■ 51.4409, 48.3267,  
13.8623

■ 48.9346, 44.4454,  
9.5392

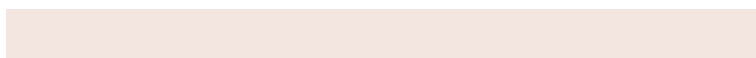
■ 46.8367, 40.9426,  
6.7030

■ 45.0986, 37.7942,  
5.1133

# Harmonies

## Analogous

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



78.2600, 80.5494, 81.3634



76.8870, 80.5494, 79.9018



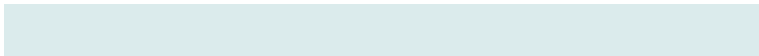
75.4435, 80.5494, 80.4765

# Triad

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



76.8870, 80.5494, 79.9018



73.9925, 80.5494, 90.9568



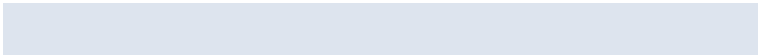
78.8521, 80.5494, 92.6275

# Complementary

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



76.8870, 80.5494, 79.9018



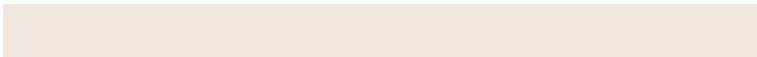
72.9948, 77.0310, 91.9113

# 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.



77.6871, 80.5494, 95.3530



76.8870, 80.5494, 79.9018



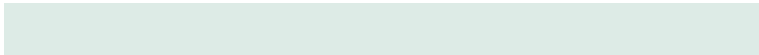
74.8844, 80.5494, 94.3670

# Square

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



76.8870, 80.5494, 79.9018



73.7845, 80.5494, 86.7721



76.2335, 80.5494, 95.9995



79.4039, 80.5494, 88.6437



# Rectangle

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



76.8870, 80.5494, 79.9018



74.6339, 80.5494, 81.9465



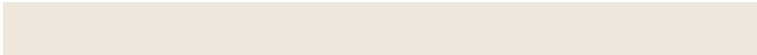
76.2335, 80.5494, 95.9995



78.5185, 80.5494, 93.7263

# Sweetspot

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



76.8892, 80.5529, 79.9035



93.5737, 98.3441, 104.4107



75.1327, 75.4973, 84.0731



20.0441, 21.0671, 22.3952



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

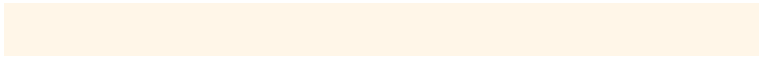


# Same Dimension

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



76.8892, 80.5529, 79.9035



88.6333, 92.7305, 89.6085



78.4129, 84.3036, 80.5472



16.5459, 17.3049, 16.6178



25.0387, 20.8755, 2.7097



2.1807, 1.9321, 0.2580

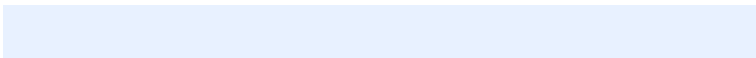


# Inverse Universe

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



72.9948, 77.0310, 91.9113



82.9468, 87.5879, 107.1421



71.5422, 73.4826, 91.3029



15.4315, 16.2971, 20.0539



11.1638, 8.5518, 46.1901

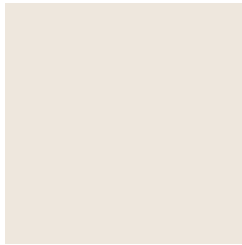


1.0244, 0.9027, 3.8745



# Previews

## White Background



This preview shows how the XYZ color 76.8870, 80.5494, 79.9018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

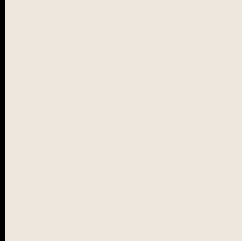
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8870, 80.5494, 79.9018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

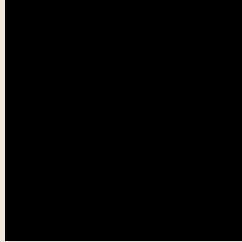
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

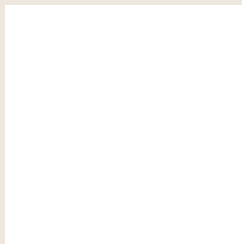
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.8870, 80.5494, 79.9018**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8870, 80.5494, 79.9018.



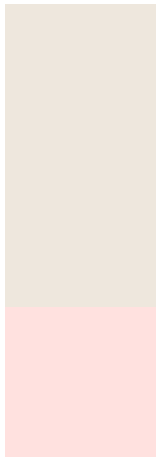
This preview shows how white text looks on a background with the XYZ color 76.8870, 80.5494,

79.9018.

# 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

76.8870, 80.5494, 79.9018

### Protanopia

76.8870, 80.5494, 79.9018

### Deuteranopia

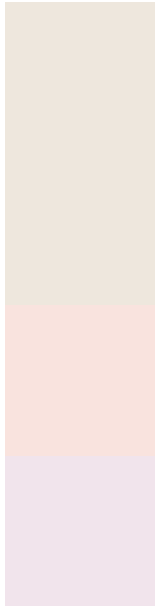
81.4845, 80.4381, 81.0435



## Tritanopia

80.5685, 80.4080, 97.6601

# Trichromacy



## Original Color

76.8870, 80.5494, 79.9018

## Protanomaly

76.8870, 80.5494, 79.9018

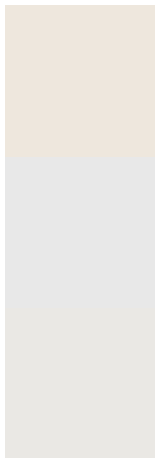
## Deuteranomaly

79.7208, 80.3518, 80.4150

## Tritanomaly

79.1594, 80.2437, 90.6733

# Monochromacy



## Original Color

76.8870, 80.5494, 79.9018

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.7919, 80.8071, 84.9487

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8870, 80.5494, 79.9018 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(238, 231, 221) looks like.

```
.text, #text, p{  
    color:rgb(238, 231, 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(238, 231, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 231, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8870, 80.5494, 79.9018 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(238, 231, 221) }
```



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

```
.border{ border-color:rgb(238, 231, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 231, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 231, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 231, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 231,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8870, 80.5494, 79.9018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 231, 221) }
```

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

```
.background{ background-color: rgb(238,  
231, 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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