

# Converting Colors

XYZ(71.9539, 76.3400, 79.5905)

Have a look what the booklet for  
XYZ(71.9539, 76.3400, 79.5905)  
contains.

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# Color

**XYZ(71.8843, 76.3274,  
79.3506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E3DD
RGB	226, 227, 221
RGB Percent	89%, 89%, 87%
CMY	0.1137, 0.1098, 0.1333
CMYK	0.00, 0.00, 0.03, 0.11
HSL	70°, 10%, 88%
HSV	70°, 3%, 89%
XYZ	71.8843, 76.3274, 79.3506
YIQ	226.0170, 1.3300, -2.0780

# Conversions

## Conversions Part 2

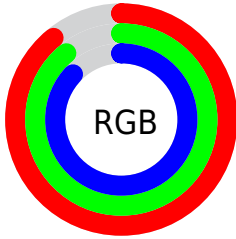
Format	Color
R <sub>Y</sub> B	221, 227, 222
Decimal	14869469
CIE Lab	90.01, -1.40, 2.80
CIE LCh	90, 3.126, 116.516
Yxy	76.3274, 0.3159, 0.3354
Android (android.graphics.Color)	4293059549 (0xFFE2E3DD)
YUV	226.0170, -2.4734, -0.0149
Hunter-Lab	87.3656, -6.0201, 7.3052

# Details

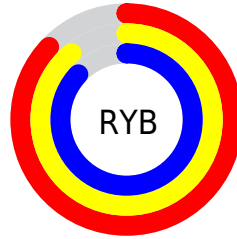
The XYZ color **71.8843, 76.3274, 79.3506** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.8487, 72.7906, 83.0456**, and the grayscale version is **72.3196, 76.0858, 82.8574**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4300, 40.9161, 41.9485** is the 20% darker color. If you saturate the color by 10%, you get **67.8856, 74.5943, 64.4286**, and if you desaturate by 10%, it is **76.3227, 78.2443, 96.4311**.

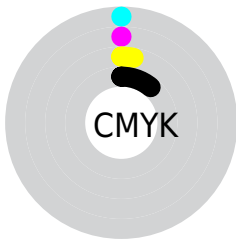
# Distribution



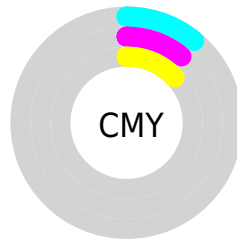
- Red (89%)
- Green (89%)
- Blue (87%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8843, 76.3274, 79.3506 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 71.8843, 76.3274, 79.3506 by changing the saturation by 10% instead.



■ 71.8843, 76.3274,  
79.3506

■ 71.8843, 76.3274,  
79.3506

456.3027,  
482.4677, 512.3905

■ 53.3493, 56.7010,  
58.6611

120.9037,  
128.1896, 134.2555

■ 38.3103, 40.7652,  
41.9221

152.1188,  
161.1942, 169.3079

■ 26.4019, 28.1357,  
28.7152

188.2914,  
199.4270, 209.9850

■ 17.2588, 18.4280,  
18.6218

229.7867,  
243.2724, 256.7055

■ 10.5156, 11.2577,  
11.2233

276.9701,  
293.1148, 309.8877

■ 5.8070, 6.2404,  
6.1012

330.2070,

■ 2.7676, 2.9918,

349.3385, 369.9502

2.8369

389.8627,  
412.3280, 437.3117

■ 1.0321, 1.1275,  
1.0120

■ 0.0000, 0.0012,  
0.0000

■ 71.8843, 76.3274,  
79.3506

■ 71.8843, 76.3274,  
79.3506

■ 67.8856, 74.5943,  
64.4286

■ 76.3227, 78.2443,  
96.4311

■ 64.3036, 73.0286,  
51.5742

■ 79.3190, 79.5849,  
105.7886

■ 61.1230, 71.6263,  
40.6975

■ 80.5759, 80.2328,  
105.8474

■ 58.3249, 70.3801,  
31.7000

■ 81.8597, 80.8946,  
105.9075

■ 55.8888, 69.2817,  
24.4750

■ 83.1705, 81.5704,  
105.9688

■ 53.7922, 68.3220,  
18.9047

■ 84.5084, 82.2601,  
106.0315

■ 52.0099, 67.4909,  
14.8574

■ 85.8737, 82.9640,  
106.0954

■ 50.5129, 66.7769,  
12.1811

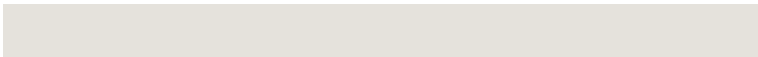
■ 86.7606, 83.4212,  
106.1369

■ 49.2663, 66.1658,  
10.6926

# Harmonies

## Analogous

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



72.6374, 76.3274, 78.9241



71.8843, 76.3274, 79.3506



71.3123, 76.3274, 80.7775

# Triad

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



71.8843, 76.3274, 79.3506



71.7287, 76.3274, 86.7145



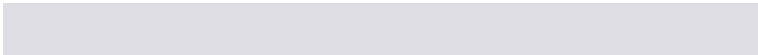
74.0430, 76.3274, 83.3669

# Complementary

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



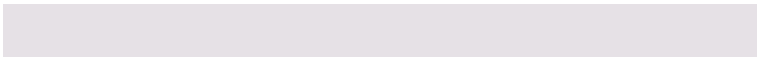
71.8843, 76.3274, 79.3506



69.8487, 72.7906, 83.0456

# Split Complementary

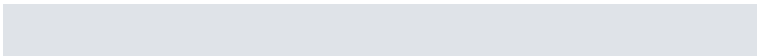
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.7956, 76.3274, 85.4820



71.8843, 76.3274, 79.3506



72.4565, 76.3274, 87.4363

# Square

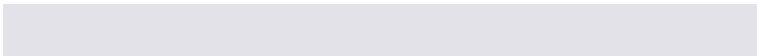
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



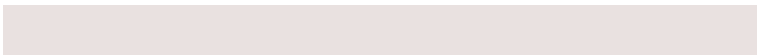
71.8843, 76.3274, 79.3506



71.2229, 76.3274, 85.0256



73.2136, 76.3274, 86.9813



73.8872, 76.3274, 81.2186



# Rectangle

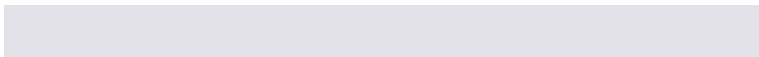
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8843, 76.3274, 79.3506



71.1088, 76.3274, 82.1174



73.2136, 76.3274, 86.9813



74.0042, 76.3274, 84.1057

# Sweetspot

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



71.8864, 76.3307, 79.3523



94.4854, 99.7561, 106.7447



70.8535, 73.7961, 78.9175



20.2297, 21.3545, 22.8705



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.



71.8864, 76.3307, 79.3523



93.3735, 99.2752, 102.5199



70.9543, 75.8501, 79.3086



15.8626, 16.9100, 17.2255



28.3508, 38.3969, 5.9171

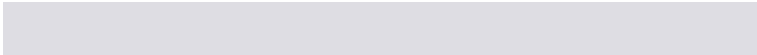


2.1581, 2.8699, 0.4402



# Inverse Universe

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



69.8487, 72.7906, 83.0456



90.3528, 94.0275, 107.9948



70.7754, 73.2684, 83.0889



15.2198, 15.7933, 18.3906



8.6172, 3.5082, 42.6062

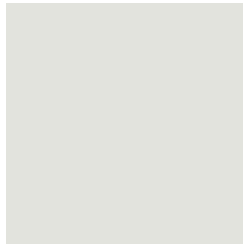


0.7043, 0.2941, 3.1516



# Previews

## White Background



This preview shows how the XYZ color 71.8843, 76.3274, 79.3506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

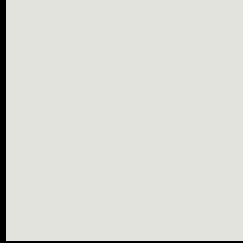
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8843, 76.3274, 79.3506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

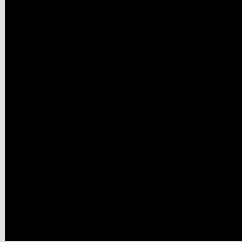
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

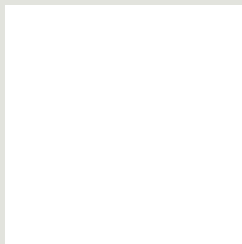
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.8843, 76.3274, 79.3506**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8843, 76.3274, 79.3506.



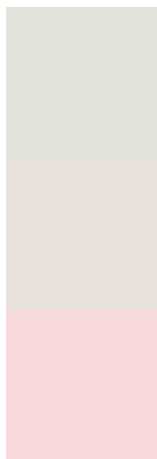
This preview shows how white text looks on a background with the XYZ color 71.8843, 76.3274,

79.3506.

# 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

71.8843, 76.3274, 79.3506

### Protanopia

73.1222, 76.1735, 78.5592

### Deuteranopia

77.7177, 76.1305, 80.4105



## Tritanopia

74.9958, 76.3801, 94.7945

# Trichromacy



## Original Color

71.8843, 76.3274, 79.3506

## Protanomaly

72.7478, 76.3830, 78.6193

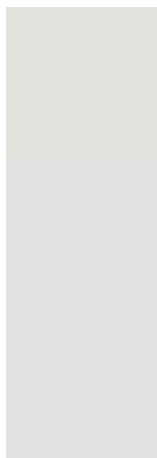
## Deuteranomaly

75.5817, 76.2173, 79.8351

## Tritanomaly

73.7714, 76.2849, 88.6782

# Monochromacy



## Original Color

71.8843, 76.3274, 79.3506

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.0149, 75.9433, 81.3839

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8843, 76.3274, 79.3506 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(226, 227, 221) looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 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(226, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8843, 76.3274, 79.3506 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(226, 227, 221) }
```



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

```
.border{ border-color:rgb(226, 227, 221) }
```

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

Here you see how a box with a 4 pixel rgb(226, 227, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8843, 76.3274, 79.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 221) }
```

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

```
.background{ background-color: rgb(226,  
227, 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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