

# Converting Colors

XYZ(71.8894, 77.1010, 84.2658)

Have a look what the booklet for  
XYZ(71.8894, 77.1010, 84.2658)  
contains.

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# Color

**XYZ(71.8417, 77.0122,  
84.4772)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDE5E4
RGB	221, 229, 228
RGB Percent	87%, 90%, 89%
CMY	0.1333, 0.1019, 0.1059
CMYK	0.03, 0.00, 0.00, 0.10
HSL	172°, 13%, 88%
HSV	172°, 3%, 90%
XYZ	71.8417, 77.0122, 84.4772
YIQ	226.4940, -4.4470, -2.0070

# Conversions

## Conversions Part 2

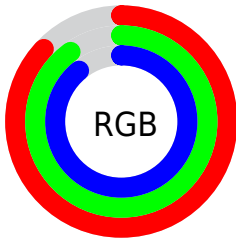
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 225, 229
Decimal	14542308
CIE Lab	90.33, -2.85, -0.45
CIE LCh	90, 2.884, 189.050
Yxy	77.0122, 0.3079, 0.3301
Android (android.graphics.Color)	4292732388 (0xFFDDE5E4)
YUV	226.4940, 0.7425, -4.8182
Hunter-Lab	87.7566, -7.4455, 4.3552

# Details

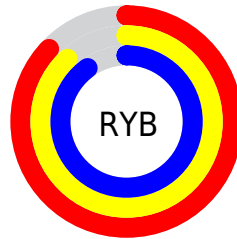
The XYZ color **71.8417, 77.0122, 84.4772** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.3572, 73.6469, 79.5653**, and the grayscale version is **72.6453, 76.4285, 83.2306**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4048, 41.3962, 45.5013** is the 20% darker color. If you saturate the color by 10%, you get **64.9445, 73.5044, 82.0920**, and if you desaturate by 10%, it is **79.7010, 81.0195, 86.9452**.

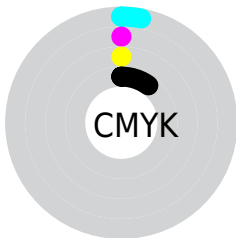
# Distribution



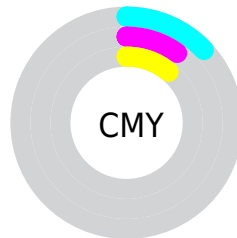
- Red (87%)
- Green (90%)
- Blue (89%)



- Red (87%)
- Yellow (88%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (13%)
- Magenta (10%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8417, 77.0122, 84.4772 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 71.8417, 77.0122, 84.4772 by changing the saturation by 10% instead.



■ 71.8417, 77.0122,  
84.4772

■ 71.8417, 77.0122,  
84.4772

456.1566,  
484.8056, 529.9960

■ 53.3144, 57.2629,  
62.8618

120.8435,  
129.1567, 141.5102

■ 38.2823, 41.2163,  
45.2892

152.0486,  
162.3207, 177.7649

■ 26.3801, 28.4882,  
31.3406

188.2104,  
200.7250, 219.7364

■ 17.2423, 18.6940,  
20.5977

229.6942,  
244.7541, 267.8434

■ 10.5038, 11.4494,  
12.6419

276.8654,  
294.7923, 322.5043

■ 5.7991, 6.3699,  
7.0546

330.0893,

■ 2.7628, 3.0713,

351.2240, 384.1376

3.4173

389.7312,  
414.4337, 453.1620

■ 1.0296, 1.1691,  
1.3115

■ 0.0000, 0.0362,  
0.0712

■ 71.8417, 77.0122,  
84.4772

■ 71.8417, 77.0122,  
84.4772

■ 64.9445, 73.5044,  
82.0920

■ 79.7010, 81.0195,  
86.9452

■ 58.9645, 70.4665,  
79.7826


■ 84.0754, 83.2274,  
89.2832


■ 53.8631, 67.8808,  
77.5485


■ 84.4909, 83.3936,  
91.4708

■ 49.5962, 65.7246,  
75.3875


■ 84.9130, 83.5624,  
93.6938


 46.1162, 63.9732,  
73.2973


 85.3419, 83.7340,  
95.9523

 43.3704, 62.5996,  
71.2752


 85.7776, 83.9083,  
98.2466


 41.2996, 61.5732,  
69.3182

 86.2201, 84.0853,  
100.5767

 39.8355, 60.8589,  
67.4231

 86.6694, 84.2650,  
102.9428

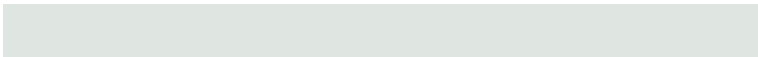
 38.8954, 60.4139,  
65.5856

 87.1256, 84.4475,  
105.3450

# Harmonies

## Analogous

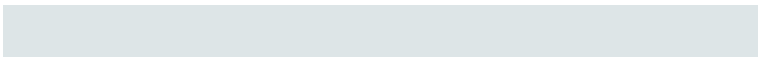
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9149, 77.0122, 82.4462



71.8417, 77.0122, 84.4772



72.1300, 77.0122, 86.3710

# Triad

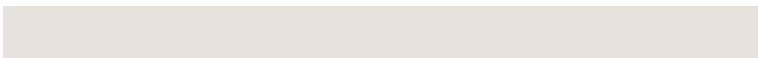
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8417, 77.0122, 84.4772



74.0717, 77.0122, 86.9641



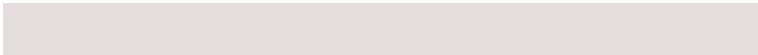
73.6929, 77.0122, 80.2116

# Complementary

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



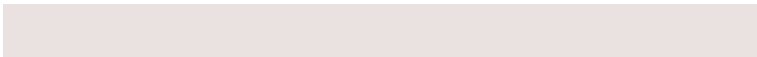
71.8417, 77.0122, 84.4772



71.3572, 73.6469, 79.5653

# Split Complementary

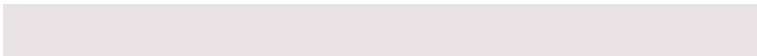
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2761, 77.0122, 81.3848



71.8417, 77.0122, 84.4772



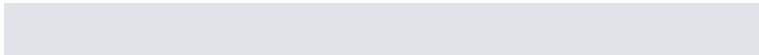
74.4958, 77.0122, 85.2761

# Square

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



71.8417, 77.0122, 84.4772



73.4153, 77.0122, 87.8222



74.5708, 77.0122, 83.2323



72.9807, 77.0122, 80.0056



# Rectangle

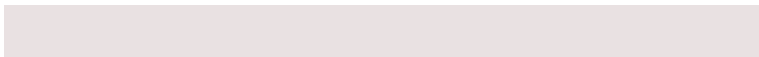
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



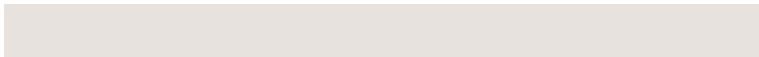
71.8417, 77.0122, 84.4772



72.4895, 77.0122, 87.2930



74.5708, 77.0122, 83.2323



73.9107, 77.0122, 80.5050

# Sweetspot

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



71.8439, 77.0155, 84.4789



94.0666, 99.4990, 108.5855



71.2174, 76.8026, 79.4786



20.1445, 21.3022, 23.2451



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

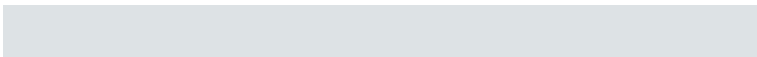
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8439, 77.0155, 84.4789



91.1912, 98.0344, 107.6481



71.1785, 75.4610, 84.9465



15.4495, 16.6721, 18.3325



22.0307, 34.4444, 36.9916



1.6499, 2.5541, 2.8489

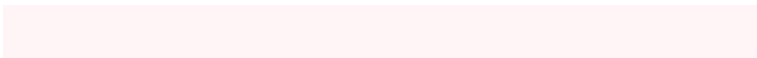


# Inverse Universe

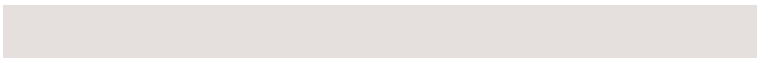
The Inverse Universe completely reimagines the original color for something new.



71.3572, 73.6469, 79.5653



90.4786, 93.1025, 100.4543



72.0047, 75.1565, 79.1194



15.3073, 15.6878, 16.8967



18.6236, 9.5837, 1.6468

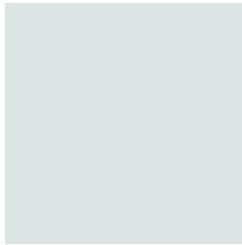


1.4003, 0.7178, 0.2484



# Previews

## White Background



This preview shows how the XYZ color 71.8417, 77.0122, 84.4772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

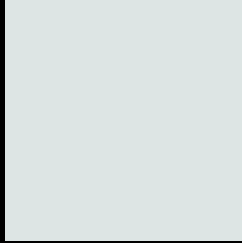
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8417, 77.0122, 84.4772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

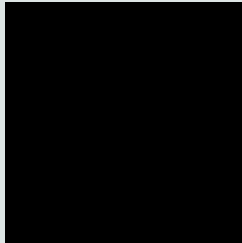
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

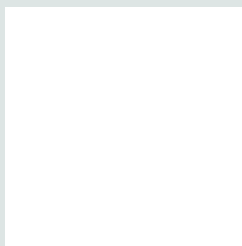
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.8417, 77.0122, 84.4772**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8417, 77.0122, 84.4772.



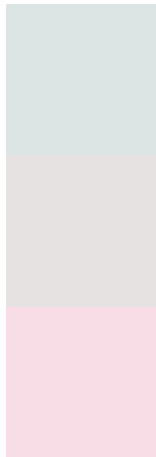
This preview shows how white text looks on a background with the XYZ color 71.8417, 77.0122,

84.4772.

# 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

71.8417, 77.0122, 84.4772

### Protanopia

73.8788, 76.8726, 82.8956

### Deuteranopia

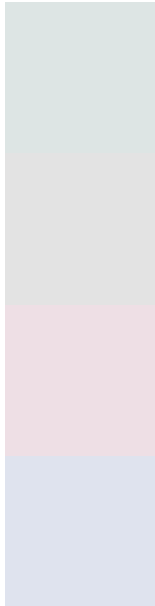
78.5875, 76.8560, 85.5556



## **Tritanopia**

74.2660, 76.7717, 96.4921

# Trichromacy



## Original Color

71.8417, 77.0122, 84.4772

## Protanomaly

73.0128, 76.8151, 83.6517

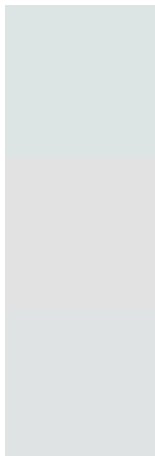
## Deuteranomaly

75.7904, 76.6096, 84.9213

## Tritanomaly

73.3331, 76.7992, 91.8476

# Monochromacy



## Original Color

71.8417, 77.0122, 84.4772

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.0747, 76.3315, 83.6078

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8417, 77.0122, 84.4772 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(221, 229, 228) looks like.

```
.text, #text, p{  
    color:rgb(221, 229, 228)  
}
```

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(221, 229, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 229, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8417, 77.0122, 84.4772 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(221, 229, 228) }
```



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

```
.border{ border-color:rgb(221, 229, 228) }
```

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

Here you see how a box with a 4 pixel rgb(221, 229, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 229, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 229, 228);  
box-shadow:4px 4px 4px 4px rgb(221, 229,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8417, 77.0122, 84.4772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 229, 228) }
```

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

```
.background{ background-color: rgb(221,  
229, 228) }
```

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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