

# Converting Colors

XYZ(71.2715, 76.7412, 86.2535)

Have a look what the booklet for  
XYZ(71.2715, 76.7412, 86.2535)  
contains.

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# **Color**

**XYZ(71.2157, 76.6572,  
85.9058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE5E6
RGB	218, 229, 230
RGB Percent	85%, 90%, 90%
CMY	0.1451, 0.1019, 0.0980
CMYK	0.05, 0.00, 0.00, 0.10
HSL	185°, 19%, 88%
HSV	185°, 5%, 90%
XYZ	71.2157, 76.6572, 85.9058
YIQ	225.8250, -6.8770, -2.0210

# Conversions

## Conversions Part 2

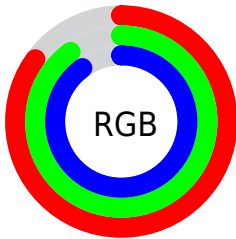
Format	Color
R <sub>Y</sub> B	218, 224, 230
Decimal	14345702
CIE Lab	90.16, -3.47, -1.77
CIE LCh	90, 3.893, 206.976
Yxy	76.6572, 0.3046, 0.3279
Android (android.graphics.Color)	4292535782 (0xFFDAE5E6)
YUV	225.8250, 2.0583, -6.8625
Hunter-Lab	87.5541, -8.0294, 3.1141

# Details

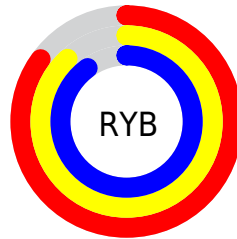
The XYZ color **71.2157, 76.6572, 85.9058** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6199, 72.5475, 76.6119**, and the grayscale version is **72.1533, 75.9109, 82.6670**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9782, 41.1538, 46.4992** is the 20% darker color. If you saturate the color by 10%, you get **64.2844, 72.3058, 85.4324**, and if you desaturate by 10%, it is **79.1116, 81.5187, 86.4292**.

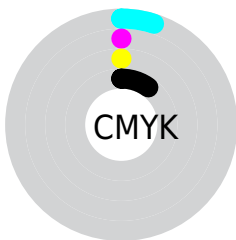
# Distribution



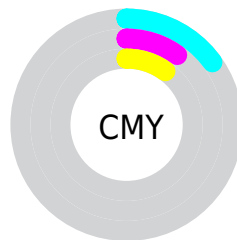
- Red (85%)
- Green (90%)
- Blue (90%)



- Red (85%)
- Yellow (88%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2157, 76.6572, 85.9058 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 71.2157, 76.6572, 85.9058 by changing the saturation by 10% instead.



■ 71.2157, 76.6572,  
85.9058

■ 71.2157, 76.6572,  
85.9058

454.0072,  
483.5944, 534.8431

■ 52.8014, 56.9716,  
64.0356

119.9577,  
128.6555, 143.5234

■ 37.8711, 40.9824,  
46.2332

151.0160,  
161.7369, 180.1079

■ 26.0594, 28.3053,  
32.0799

187.0198,  
200.0524, 222.4343

■ 17.0010, 18.5560,  
21.1572

228.3343,  
243.9863, 270.9211

■ 10.3305, 11.3499,  
13.0466

275.3250,  
293.9231, 325.9868

■ 5.6826, 6.3027,  
7.3295

328.3571,

■ 2.6919, 3.0300,

350.2471, 388.0500

3.5875

387.7961,  
413.3428, 457.5293

0.9930, 1.1474,  
1.4019

0.0000, 0.0181,  
0.1432

71.2157, 76.6572,  
85.9058

71.2157, 76.6572,  
85.9058

64.2844, 72.3058,  
85.4324

79.1116, 81.5187,  
86.4292

58.2721, 68.4347,  
85.0021


84.6126, 85.1521,  
86.8406


53.1391, 65.0255,  
84.6146

85.1557, 86.2383,  
87.0216


48.8405, 62.0550,  
84.2678


85.7047, 87.3363,  
87.2046


 45.3273, 59.4978,  
83.9594


 86.2595, 88.4460,  
87.3895


 42.5452, 57.3261,  
83.6868


 86.8203, 89.5676,  
87.5765


 40.4331, 55.5082,  
83.4472

 87.3870, 90.7010,  
87.7654

 38.9200, 54.0076,  
83.2373

 87.9596, 91.8462,  
87.9563

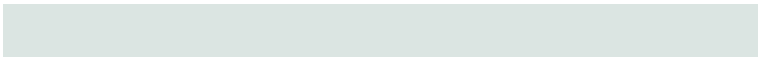
 37.9185, 52.7791,  
83.0530

 88.5382, 93.0034,  
88.1491

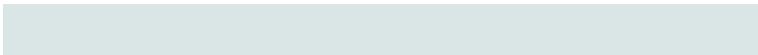
# Harmonies

## Analogous

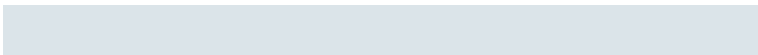
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0192, 76.6572, 83.1860



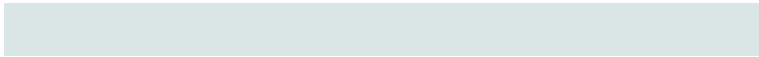
71.2157, 76.6572, 85.9058



71.8516, 76.6572, 88.0119

# Triad

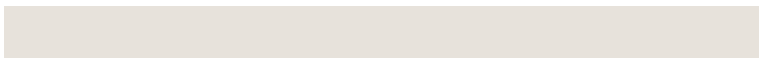
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2157, 76.6572, 85.9058



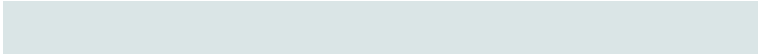
74.4306, 76.6572, 86.4028



72.9585, 76.6572, 78.2607

# Complementary

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



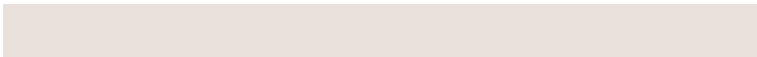
71.2157, 76.6572, 85.9058



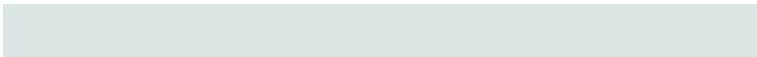
70.6199, 72.5475, 76.6119

# 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.



73.8785, 76.6572, 79.0806



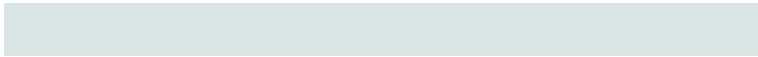
71.2157, 76.6572, 85.9058



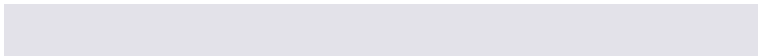
74.7331, 76.6572, 83.7479

# Square

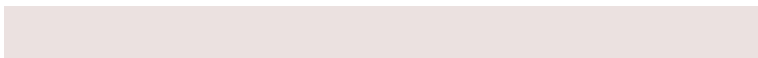
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



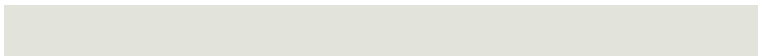
71.2157, 76.6572, 85.9058



73.7071, 76.6572, 88.3033



74.5302, 76.6572, 81.0741



72.0201, 76.6572, 78.8099

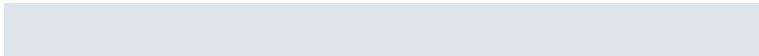


# Rectangle

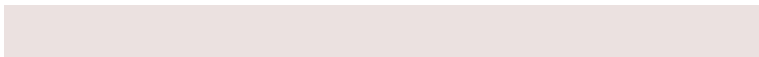
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



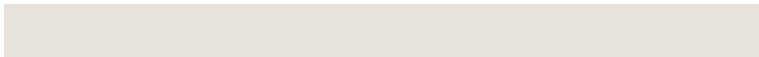
71.2157, 76.6572, 85.9058



72.4421, 76.6572, 88.7635



74.5302, 76.6572, 81.0741



73.2802, 76.6572, 78.3849

# Sweetspot

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



71.2179, 76.6605, 85.9075



93.0636, 98.7756, 108.7684



69.9714, 76.6043, 77.9793



19.9402, 21.1549, 23.2823



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

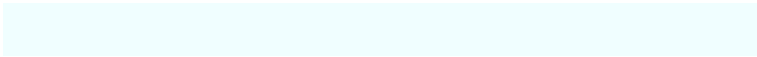


# Same Dimension

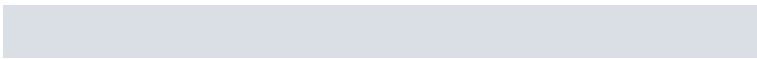
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2179, 76.6605, 85.9075



89.2394, 96.4048, 108.5123



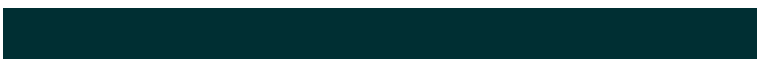
69.6388, 73.5022, 85.3811



15.1363, 16.3937, 18.5109



21.3039, 29.6700, 46.9872



1.6047, 2.2533, 3.4823



# Inverse Universe

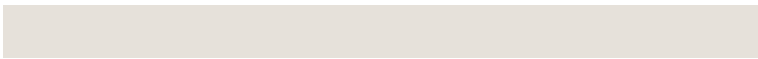
The Inverse Universe completely reimagines the original color for something new.



71.8491, 72.6245, 84.3636



90.1579, 90.5421, 106.2635



72.1604, 75.6286, 77.1254



15.3077, 15.3013, 18.0910



25.1467, 12.1929, 35.9973

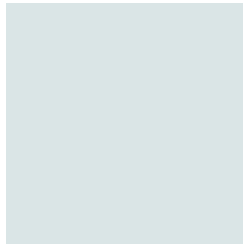


1.8736, 0.9072, 2.7409



# Previews

## White Background



This preview shows how the XYZ color 71.2157, 76.6572, 85.9058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

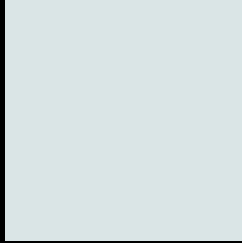
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2157, 76.6572, 85.9058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

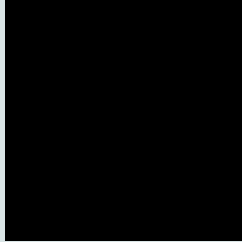
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

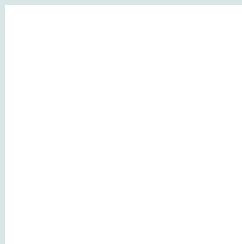
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.2157, 76.6572, 85.9058**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2157, 76.6572, 85.9058.



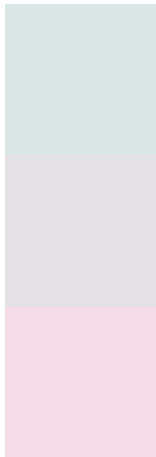
This preview shows how white text looks on a background with the XYZ color 71.2157, 76.6572,

85.9058.

# 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

71.2157, 76.6572, 85.9058

### Protanopia

73.5619, 76.2749, 84.2442

### Deuteranopia

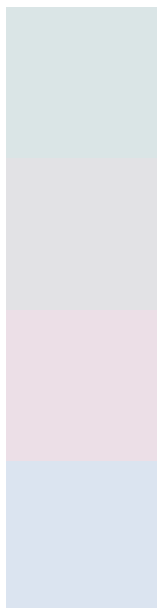
78.1647, 76.6054, 87.0105



## **Tritanopia**

73.4657, 76.7464, 97.3277

# Trichromacy



## Original Color

71.2157, 76.6572, 85.9058

## Protanomaly

72.7032, 76.2186, 85.0085

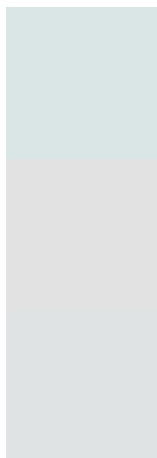
## Deuteranomaly

75.4036, 76.3777, 86.3695

## Tritanomaly

72.6850, 76.8381, 93.4384

# Monochromacy



## Original Color

71.2157, 76.6572, 85.9058

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.7656, 76.1722, 83.5933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2157, 76.6572, 85.9058 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(218, 229, 230) looks like.

```
.text, #text, p{  
    color:rgb(218, 229, 230)  
}
```

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(218, 229, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 229, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2157, 76.6572, 85.9058 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(218, 229, 230) }
```



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

```
.border{ border-color:rgb(218, 229, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 229, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 229, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 229, 230);  
box-shadow:4px 4px 4px 4px rgb(218, 229,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2157, 76.6572, 85.9058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 229, 230) }
```

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

```
.background{ background-color: rgb(218,  
229, 230) }
```

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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