

# Converting Colors

XYZ(72.1091, 76.8127, 86.1849)

Have a look what the booklet for  
XYZ(72.1091, 76.8127, 86.1849)  
contains.

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# Color

**XYZ(71.8451, 76.5721,  
85.8562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDE4E6
RGB	221, 228, 230
RGB Percent	87%, 89%, 90%
CMY	0.1333, 0.1059, 0.0980
CMYK	0.04, 0.01, 0.00, 0.10
HSL	193°, 15%, 88%
HSV	193°, 4%, 90%
XYZ	71.8451, 76.5721, 85.8562
YIQ	226.1350, -4.8140, -0.8620

# Conversions

## Conversions Part 2

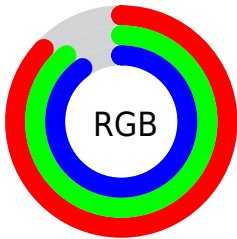
Format	Color
<a href="#">RYB</a>	<a href="#">221, 225, 230</a>
Decimal	<a href="#">14542054</a>
CIELab	<a href="#">90.12, -1.97, -1.80</a>
CIElCh	<a href="#">90, 2.664, 222.445</a>
Yxy	<a href="#">76.5721, 0.3067, 0.3268</a>
Android (android.graphics.Color)	<a href="#">4292732134 (0xFFDDE4E6)</a>
YUV	<a href="#">226.1350, 1.9054, -4.5034</a>
Hunter-Lab	<a href="#">87.5055, -6.5798, 3.0813</a>

# Details

The XYZ color **71.8451, 76.5721, 85.8562** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.0722, 74.8181, 79.0505**, and the grayscale version is **72.3773, 76.1466, 82.9236**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4073, 41.0893, 46.4642** is the 20% darker color. If you saturate the color by 10%, you get **63.9341, 70.4429, 85.0913**, and if you desaturate by 10%, it is **80.7613, 83.2852, 86.6832**.

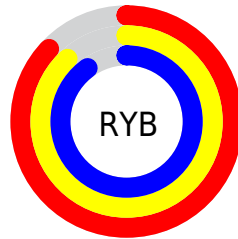
# Distribution



Red (87%)

Green (89%)

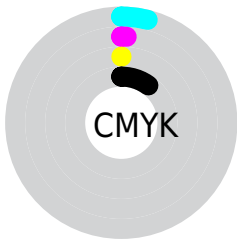
Blue (90%)



Red (87%)

Yellow (88%)

Blue (90%)

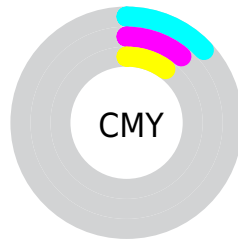


Cyan (4%)

Magenta (1%)

Yellow (0%)

Black (10%)



Cyan (13%)

Magenta (11%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8451, 76.5721, 85.8562 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 71.8451, 76.5721, 85.8562 by changing the saturation by 10% instead.



■ 71.8451, 76.5721,  
85.8562

■ 71.8451, 76.5721,  
85.8562

456.1683,  
483.3039, 534.6752

■ 53.3172, 56.9017,  
63.9949

120.8483,  
128.5353, 143.4536

■ 38.2845, 40.9264,  
46.2004

152.0542,  
161.5969, 180.0267

■ 26.3818, 28.2616,  
32.0541

188.2169,  
199.8911, 222.3408

■ 17.2437, 18.5229,  
21.1377

229.7016,  
243.8022, 270.8144

■ 10.5047, 11.3261,  
13.0325

276.8737,  
293.7146, 325.8662

■ 5.7997, 6.2866,  
7.3199

330.0987,

■ 2.7632, 3.0201,

350.0128, 387.9145

3.5815

389.7417,  
413.0810, 457.3780

■ 1.0298, 1.1422,  
1.3987

■ 0.0000, 0.0138,  
0.1407

■ 71.8451, 76.5721,  
85.8562

■ 71.8451, 76.5721,  
85.8562

■ 63.9341, 70.4429,  
85.0913

■ 80.7613, 83.2852,  
86.6832

■ 56.9826, 64.8673,  
84.3814

■ 86.1586, 88.2441,  
87.3559

■ 50.9510, 59.8263,  
83.7263

■ 87.6669, 91.2607,  
87.8587

■ 45.7945, 55.2963,  
83.1237

■ 89.2176, 94.3622,  
88.3756

■ 41.4642, 51.2516,  
82.5713

■ 90.8112, 97.5493,  
88.9067

■ 37.9063, 47.6639,  
82.0663

■ 91.2832, 98.4933,  
89.0641

■ 35.0605, 44.5016,  
81.6059

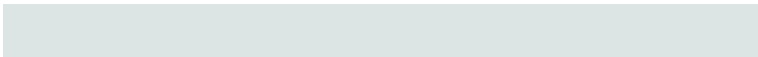
■ 32.8568, 41.7279,  
81.1867

■ 31.2103, 39.2987,  
80.8046

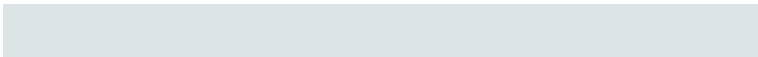
# Harmonies

## Analogous

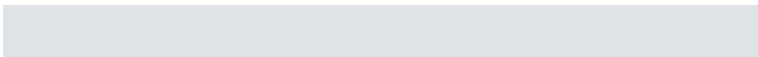
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5447, 76.5721, 84.1614



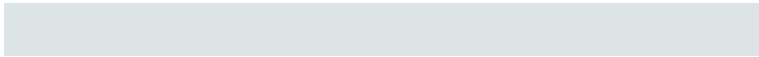
71.8451, 76.5721, 85.8562



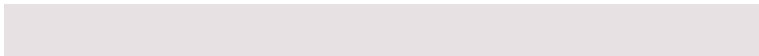
72.3966, 76.5721, 86.8949

# Triad

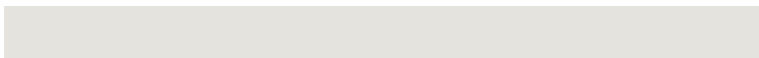
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8451, 76.5721, 85.8562



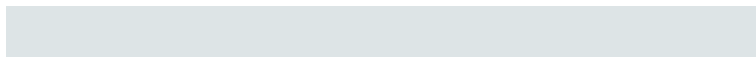
73.9987, 76.5721, 84.4773



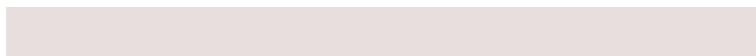
72.5058, 76.5721, 79.8679

# Complementary

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



71.8451, 76.5721, 85.8562



72.0722, 74.8181, 79.0505

# Split Complementary

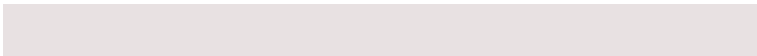
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.1637, 76.5721, 79.9496



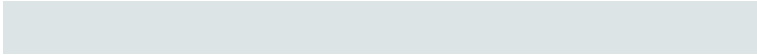
71.8451, 76.5721, 85.8562



74.0284, 76.5721, 82.5916

# Square

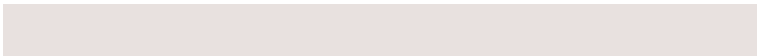
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8451, 76.5721, 85.8562



73.6411, 76.5721, 86.0905



73.7219, 76.5721, 80.9401



71.9246, 76.5721, 80.7152

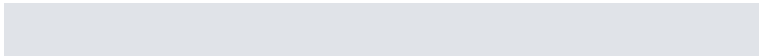


# Rectangle

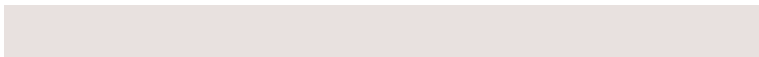
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8451, 76.5721, 85.8562



72.8338, 76.5721, 87.0659



73.7219, 76.5721, 80.9401



72.7252, 76.5721, 79.7880

# Sweetspot

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



71.8473, 76.5754, 85.8579



93.9379, 99.1592, 108.7963



71.4293, 77.2920, 80.9320



20.1183, 21.2330, 23.2880



0.0000, 0.0000, 0.0000

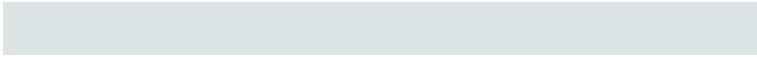


20.3446, 21.4041, 23.3091

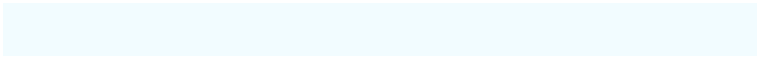


# Same Dimension

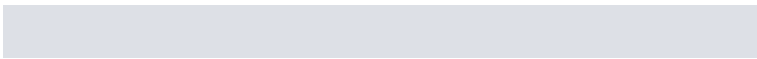
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8473, 76.5754, 85.8579



89.6182, 95.8703, 108.3892



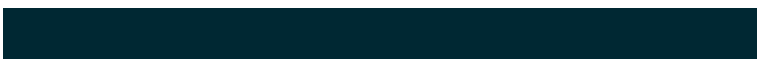
70.6377, 74.1563, 85.4547



15.1781, 16.2718, 18.4851



17.3051, 21.6723, 45.6543



1.3458, 1.7356, 3.3960



# Inverse Universe

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



72.4948, 74.1387, 83.8919



90.6645, 91.9524, 105.2083



73.2778, 77.2294, 79.4523



15.3789, 15.5219, 17.8741



23.1283, 11.3855, 25.3684

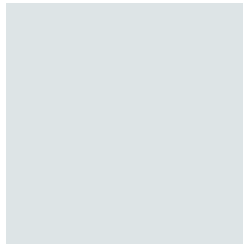


1.7429, 0.8549, 2.0528



# Previews

## White Background



This preview shows how the XYZ color 71.8451, 76.5721, 85.8562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

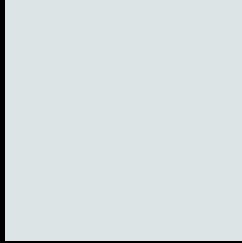
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8451, 76.5721, 85.8562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

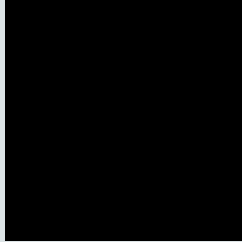
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

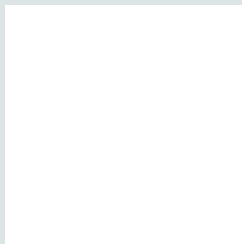
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.8451, 76.5721, 85.8562

## Background



This preview shows how black text looks on a background with the XYZ color 71.8451, 76.5721, 85.8562.



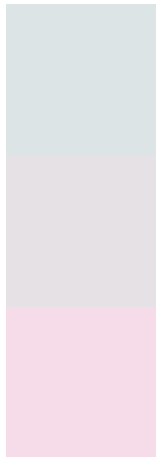
This preview shows how white text looks on a background with the XYZ color 71.8451, 76.5721,

85.8562.

# 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

71.8451, 76.5721, 85.8562

### Protanopia

73.5619, 76.2749, 84.2442

### Deuteranopia

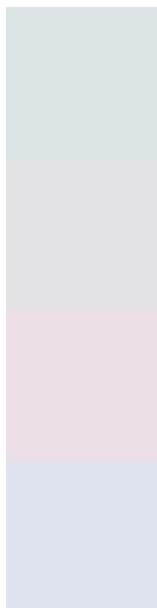
78.1647, 76.6054, 87.0105



## **Tritanopia**

73.9569, 76.6123, 96.4777

# Trichromacy



## Original Color

71.8451, 76.5721, 85.8562

## Protanomaly

73.0178, 76.3807, 85.0233

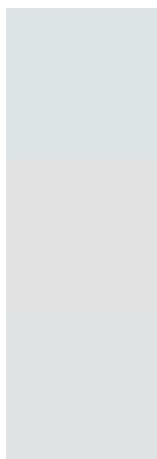
## Deuteranomaly

75.7365, 76.5494, 86.3851

## Tritanomaly

73.1733, 76.6998, 92.6092

# Monochromacy



## Original Color

71.8451, 76.5721, 85.8562

## 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 71.8451, 76.5721, 85.8562 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, 228, 230) looks like.

```
.text, #text, p{  
    color:rgb(221, 228, 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(221, 228, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 228, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8451, 76.5721, 85.8562 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, 228, 230) }
```



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

```
.border{ border-color:rgb(221, 228, 230) }
```

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

Here you see how a box with a 4 pixel rgb(221, 228, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 228, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 228, 230);  
box-shadow:4px 4px 4px 4px rgb(221, 228,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8451, 76.5721, 85.8562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 228, 230) }
```

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

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