

Converting Colors

XYZ(71.7042, 77.1333, 85.3171)

Have a look what the booklet for
XYZ(71.7042, 77.1333, 85.3171)
contains.

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Color

**XYZ(71.9549, 77.4664,
85.2888)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE6E5
RGB	220, 230, 229
RGB Percent	86%, 90%, 90%
CMY	0.1372, 0.0980, 0.1020
CMYK	0.04, 0.00, 0.00, 0.10
HSL	174°, 17%, 88%
HSV	174°, 4%, 90%
XYZ	71.9549, 77.4664, 85.2888
YIQ	226.8960, -5.6390, -2.4310

Conversions

Conversions Part 2

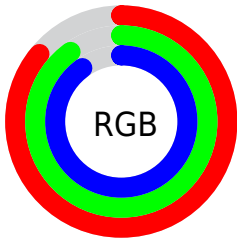
Format	Color
R _Y B	220, 225, 230
Decimal	14477029
CIE Lab	90.54, -3.51, -0.68
CIE LCh	91, 3.573, 190.979
Yxy	77.4664, 0.3066, 0.3301
Android (android.graphics.Color)	4292667109 (0xFFDCE6E5)
YUV	226.8960, 1.0373, -6.0478
Hunter-Lab	88.0150, -8.0971, 4.1570

Details

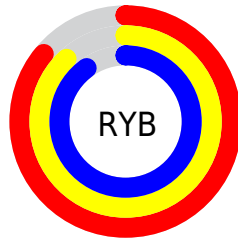
The XYZ color **71.9549, 77.4664, 85.2888** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2804, 73.2320, 78.7887**, and the grayscale version is **72.9356, 76.7339, 83.5632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4870, 41.7153, 46.0678** is the 20% darker color. If you saturate the color by 10%, you get **65.1475, 73.9962, 83.3008**, and if you desaturate by 10%, it is **79.7288, 81.4387, 87.3476**.

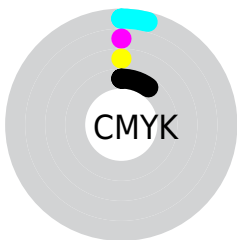
Distribution



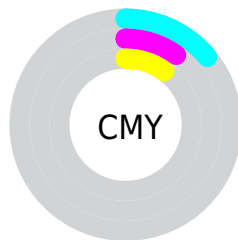
- Red (86%)
- Green (90%)
- Blue (90%)



- Red (86%)
- Yellow (88%)
- Blue (90%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (14%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9549, 77.4664, 85.2888 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 71.9549, 77.4664, 85.2888 by changing the saturation by 10% instead.

■ 71.9549, 77.4664,
85.2888

■ 71.9549, 77.4664,
85.2888

456.5447,
486.3528, 532.7527

■ 53.4072, 57.6357,
63.5285

121.0036,
129.7976, 142.6543

■ 38.3567, 41.5159,
45.8252

152.2352,
163.0670, 179.0967

■ 26.4381, 28.7224,
31.7602

188.4255,
201.5848, 221.2701

■ 17.2861, 18.8709,
20.9151

229.9398,
245.7353, 269.5932

■ 10.5352, 11.5770,
12.8713

277.1436,
295.9029, 324.4845

■ 5.8202, 6.4564,
7.2103

330.4021,

■ 2.7757, 3.1245,

352.4721, 386.3624

3.5135

390.0806,
415.8273, 455.6457

■ 1.0363, 1.1971,
1.3625

■ 0.0000, 0.0593,
0.1122

■ 71.9549, 77.4664,
85.2888

■ 71.9549, 77.4664,
85.2888

■ 65.1475, 73.9962,
83.3008

■ 79.7288, 81.4387,
87.3476

■ 59.2610, 70.9981,
81.3766


■ 84.3345, 83.7750,
89.2789


■ 54.2562, 68.4540,
79.5159


■ 84.6676, 83.9083,
91.0328


■ 50.0883, 66.3409,
77.7164


■ 85.0050, 84.0432,
92.8096


 46.7086, 64.6336,
75.9758


 85.3468, 84.1799,
94.6092


 44.0636, 63.3046,
74.2916


 85.6929, 84.3184,
96.4318

 42.0928, 62.3227,
72.6607

 86.0434, 84.4586,
98.2775

 40.7261, 61.6517,
71.0799

 86.3983, 84.6005,
100.1463

 39.8780, 61.2476,
69.5450

 86.7576, 84.7443,
102.0384

Harmonies

Analogous

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



72.0164, 77.4664, 82.7535



71.9549, 77.4664, 85.2888



72.3394, 77.4664, 87.6174

Triad

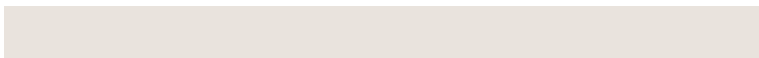
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9549, 77.4664, 85.2888



74.7625, 77.4664, 88.1191



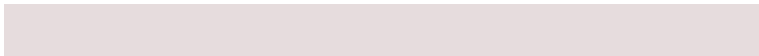
74.1911, 77.4664, 79.7788

Complementary

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



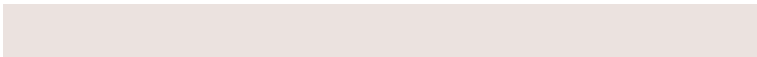
71.9549, 77.4664, 85.2888



71.2804, 73.2320, 78.7887

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.



74.9348, 77.4664, 81.1604



71.9549, 77.4664, 85.2888



75.2665, 77.4664, 85.9623

Square

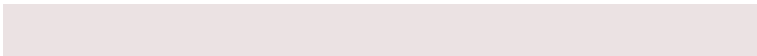
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



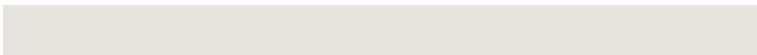
71.9549, 77.4664, 85.2888



73.9574, 77.4664, 89.2733



75.3299, 77.4664, 83.4136



73.3026, 77.4664, 79.6067

Rectangle

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



71.9549, 77.4664, 85.2888



72.7987, 77.4664, 88.7261



75.3299, 77.4664, 83.4136



74.4665, 77.4664, 80.1158

Sweetspot

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



71.9571, 77.4697, 85.2905



94.0769, 99.5031, 108.6396



71.0870, 77.1626, 78.8586



20.1466, 21.3030, 23.2561



0.0000, 0.0000, 0.0000



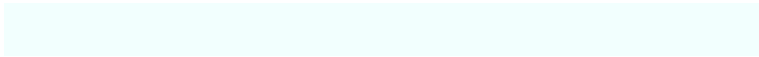
20.3446, 21.4041, 23.3091

Same Dimension

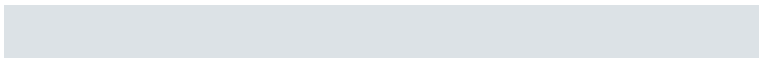
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9571, 77.4697, 85.2905



90.3085, 97.5794, 107.6066



71.0422, 75.4149, 85.6790



15.3108, 16.6005, 18.3345



22.4171, 34.5989, 39.0262



1.6747, 2.5640, 2.9793

Inverse Universe

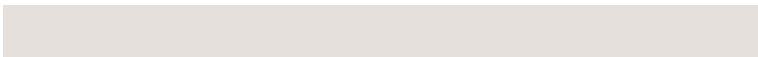
The Inverse Universe completely reimagines the original color for something new.



71.2804, 73.2320, 78.7887



89.3243, 91.4163, 98.1508



72.1650, 75.2147, 78.4258



15.1222, 15.4192, 16.5221



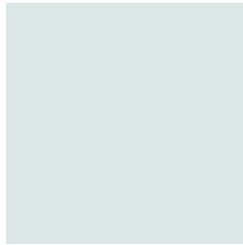
18.5835, 9.5676, 1.4356



1.3933, 0.7150, 0.2115

Previews

White Background



This preview shows how the XYZ color 71.9549, 77.4664, 85.2888 looks on a white background.

Color Contrast Check

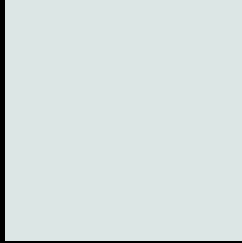
Large Text (above 18pt) WCAG AA × Fail

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 71.9549, 77.4664, 85.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

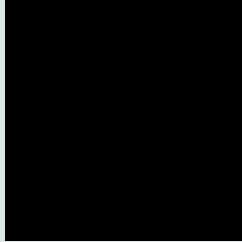
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

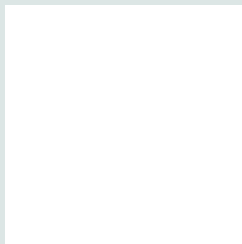
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.9549, 77.4664, 85.2888

Background



This preview shows how black text looks on a background with the XYZ color 71.9549, 77.4664, 85.2888.



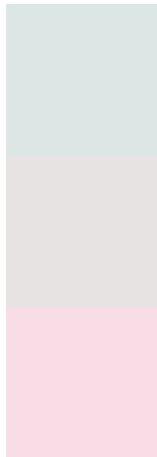
This preview shows how white text looks on a background with the XYZ color 71.9549, 77.4664,

85.2888.

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

71.9549, 77.4664, 85.2888

Protanopia

74.6129, 77.6400, 83.7265

Deuteranopia

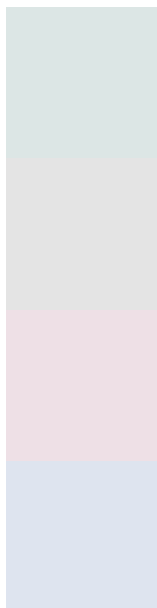
78.9917, 77.4389, 86.3852



Tritanopia

74.3819, 77.2187, 97.3706

Trichromacy



Original Color

71.9549, 77.4664, 85.2888

Protanomaly

73.7419, 77.5822, 84.4870

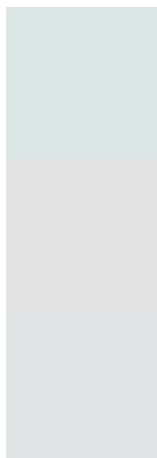
Deuteranomaly

76.1985, 77.2016, 85.7482

Tritanomaly

73.4476, 77.2484, 92.7007

Monochromacy



Original Color

71.9549, 77.4664, 85.2888

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.4875, 76.9355, 84.4283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9549, 77.4664, 85.2888 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(220, 230, 229) looks like.

```
.text, #text, p{  
    color:rgb(220, 230, 229)  
}
```

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(220, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 230, 229) }
```

Border

The CSS property to change the border of an element to XYZ 71.9549, 77.4664, 85.2888 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(220, 230, 229) }
```


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

```
.border{ border-color:rgb(220, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(220, 230,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9549, 77.4664, 85.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 230, 229) }
```

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

```
.background{ background-color: rgb(220,  
230, 229) }
```

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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