

Converting Colors

XYZ(70.8725, 76.7449, 83.3510)

Have a look what the booklet for
XYZ(70.8725, 76.7449, 83.3510)
contains.

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Color

**XYZ(70.9377, 76.9900,
83.0733)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE6E2
RGB	218, 230, 226
RGB Percent	85%, 90%, 89%
CMY	0.1451, 0.0980, 0.1137
CMYK	0.05, 0.00, 0.02, 0.10
HSL	160°, 19%, 88%
HSV	160°, 5%, 90%
XYZ	70.9377, 76.9900, 83.0733
YIQ	225.9560, -5.8680, -3.7880

Conversions

Conversions Part 2

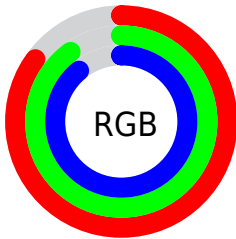
Format	Color
R_{YB}	218, 225, 230
Decimal	14345954
CIE Lab	90.32, -4.72, 0.55
CIE LCh	90, 4.755, 173.327
Yxy	76.9900, 0.3071, 0.3333
Android (android.graphics.Color)	4292536034 (0xFFDAE6E2)
YUV	225.9560, 0.0217, -6.9774
Hunter-Lab	87.7439, -9.2413, 5.2868

Details

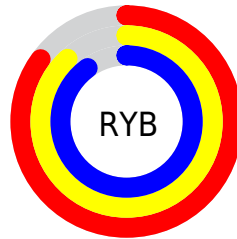
The XYZ color **70.9377, 76.9900, 83.0733** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8921, 72.2417, 79.3184**, and the grayscale version is **72.2616, 76.0249, 82.7911**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7849, 41.3867, 44.5250** is the 20% darker color. If you saturate the color by 10%, you get **63.5024, 73.2780, 77.3538**, and if you desaturate by 10%, it is **79.3789, 81.2194, 89.0890**.

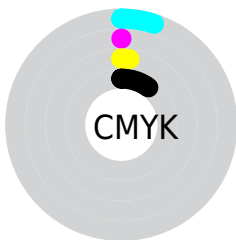
Distribution



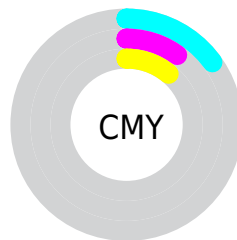
- Red (85%)
- Green (90%)
- Blue (89%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9377, 76.9900, 83.0733 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 70.9377, 76.9900, 83.0733 by changing the saturation by 10% instead.

■ 70.9377, 76.9900,
83.0733

■ 70.9377, 76.9900,
83.0733

453.0508,
484.7299, 525.2082

■ 52.5737, 57.2447,
61.7097

119.5640,
129.1254, 139.5283

■ 37.6887, 41.2017,
44.3639

150.5570,
162.2842, 175.4567

■ 25.9173, 28.4767,
30.6174

186.4905,
200.6830, 217.0771

■ 16.8941, 18.6853,
20.0516

227.7296,
244.7061, 264.8081

■ 10.2539, 11.4431,
12.2481

274.6399,
294.7379, 319.0681

■ 5.6312, 6.3657,
6.7883

327.5866,

■ 2.6606, 3.0687,

351.1629, 380.2758

3.2536

386.9351,
414.3655, 448.8496

■ 0.9770, 1.1677,
1.2256

■ 0.0000, 0.0351,
0.0000

■ 70.9377, 76.9900,
83.0733

■ 70.9377, 76.9900,
83.0733

■ 63.5024, 73.2780,
77.3538

■ 79.3789, 81.2194,
89.0890

■ 57.0268, 70.0533,
71.9203

■ 85.4669, 84.2280,
95.2419

■ 51.4708, 67.2973,
66.7693

■ 86.6395, 84.6970,
101.4169

■ 46.7886, 64.9866,
61.8954

■ 87.5883, 85.0765,
106.4128

■ 42.9306, 63.0956,
57.2929

■ 39.8420, 61.5962,
52.9557

■ 37.4610, 60.4565,
48.8774

■ 35.7159, 59.6398,
45.0511

■ 34.5187, 59.1006,
41.4689

Harmonies

Analogous

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



71.3650, 76.9900, 79.9932



70.9377, 76.9900, 83.0733



71.1051, 76.9900, 86.4386

Triad

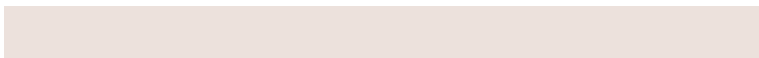
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9377, 76.9900, 83.0733



74.0823, 76.9900, 89.9626



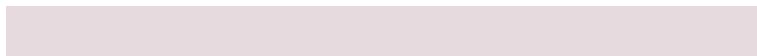
74.5455, 76.9900, 78.7053

Complementary

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



70.9377, 76.9900, 83.0733



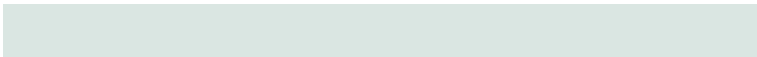
70.8921, 72.2417, 79.3184

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.



75.2881, 76.9900, 81.2725



70.9377, 76.9900, 83.0733



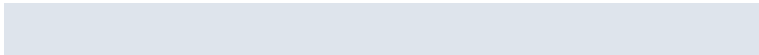
75.0187, 76.9900, 87.7855

Square

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



70.9377, 76.9900, 83.0733



72.9123, 76.9900, 90.4762



75.4623, 76.9900, 84.5893



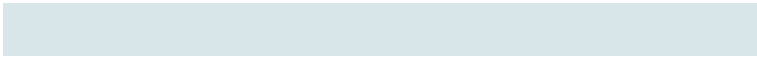
73.4417, 76.9900, 77.5157

Rectangle

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



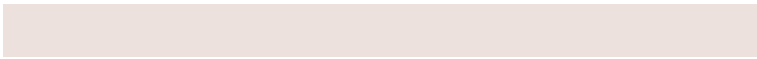
70.9377, 76.9900, 83.0733



71.5323, 76.9900, 88.3850



75.4623, 76.9900, 84.5893



74.8461, 76.9900, 79.4324

Sweetspot

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



70.9399, 76.9933, 83.0750



92.9258, 98.9364, 107.3774



71.1397, 77.2202, 77.4863



19.9122, 21.1876, 22.9993



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

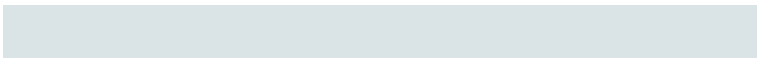
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9399, 76.9933, 83.0750



88.8326, 96.8885, 104.3773



70.9973, 76.2186, 85.8365



15.0603, 16.4843, 17.7380



19.3478, 33.3712, 22.8636



1.4724, 2.4831, 1.9143

Inverse Universe

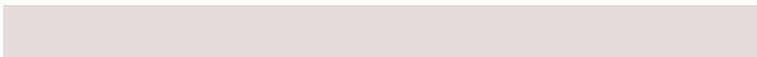
The Inverse Universe completely reimagines the original color for something new.



70.8921, 72.2417, 79.3184



88.7632, 89.9842, 98.9189



70.8312, 72.9685, 76.6819



15.0474, 15.1972, 16.7204



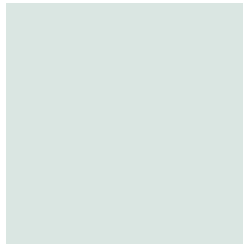
19.2784, 9.8456, 5.0950



1.4665, 0.7443, 0.5971

Previews

White Background



This preview shows how the XYZ color 70.9377, 76.9900, 83.0733 looks on a white background.

Color Contrast Check

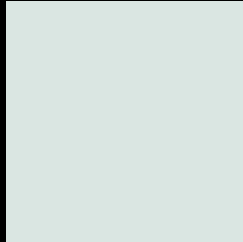
Large Text (above 18pt) WCAG AA × Fail

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 70.9377, 76.9900, 83.0733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

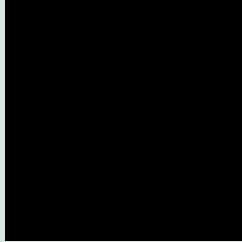
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

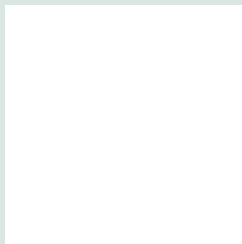
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9377, 76.9900, 83.0733

Background



This preview shows how black text looks on a background with the XYZ color 70.9377, 76.9900, 83.0733.

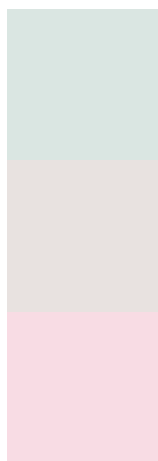


This preview shows how white text looks on a background with the XYZ color 70.9377, 76.9900,

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

70.9377, 76.9900, 83.0733

Protanopia

73.9296, 76.9303, 81.4735

Deuteranopia

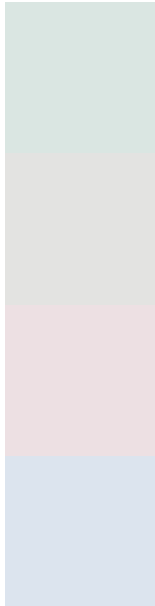
78.3082, 76.7443, 84.0846



Tritanopia

73.7693, 76.9029, 97.3419

Trichromacy



Original Color

70.9377, 76.9900, 83.0733

Protanomaly

72.7382, 76.7053, 82.2061

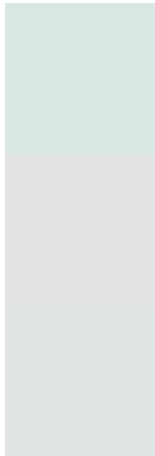
Deuteranomaly

75.4458, 76.8619, 83.5325

Tritanomaly

72.6912, 76.8755, 91.8961

Monochromacy



Original Color

70.9377, 76.9900, 83.0733

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.6280, 76.1171, 82.8684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9377, 76.9900, 83.0733 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, 230, 226) looks like.

```
.text, #text, p{  
    color:rgb(218, 230, 226)  
}
```

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, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 230, 226) }
```

Border

The CSS property to change the border of an element to XYZ 70.9377, 76.9900, 83.0733 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, 230, 226) }
```


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

```
.border{ border-color:rgb(218, 230, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 230, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 230, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 230, 226);  
box-shadow:4px 4px 4px 4px rgb(218, 230,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9377, 76.9900, 83.0733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 230, 226) }
```

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

```
.background{ background-color: rgb(218,  
230, 226) }
```

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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