

Converting Colors

XYZ(69.8160, 74.6960, 83.4936)

Have a look what the booklet for
XYZ(69.8160, 74.6960, 83.4936)
contains.

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Color

**XYZ(69.9749, 74.8442,
83.4313)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE2E3
RGB	218, 226, 227
RGB Percent	85%, 89%, 89%
CMY	0.1451, 0.1137, 0.1098
CMYK	0.04, 0.00, 0.00, 0.11
HSL	187°, 14%, 87%
HSV	187°, 4%, 89%
XYZ	69.9749, 74.8442, 83.4313
YIQ	223.7220, -5.0890, -1.3850

Conversions

Conversions Part 2

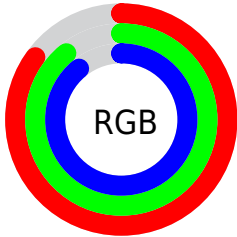
Format	Color
R _Y B	218, 222, 227
Decimal	14344931
CIE Lab	89.32, -2.49, -1.43
CIE LCh	89, 2.867, 209.886
Yxy	74.8442, 0.3066, 0.3279
Android (android.graphics.Color)	4292535011 (0xFFDAE2E3)
YUV	223.7220, 1.6161, -5.0182
Hunter-Lab	86.5125, -7.0188, 3.3805

Details

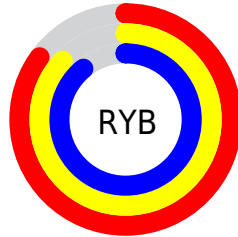
The XYZ color **69.9749, 74.8442, 83.4313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.6651, 72.0550, 76.5670**, and the grayscale version is **70.6463, 74.3255, 80.9404**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1136, 39.8909, 44.7733** is the 20% darker color. If you saturate the color by 10%, you get **62.9684, 70.2274, 82.9106**, and if you desaturate by 10%, it is **77.9253, 79.9667, 84.0021**.

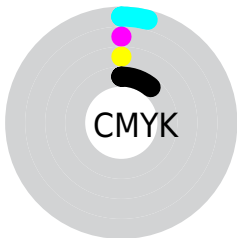
Distribution



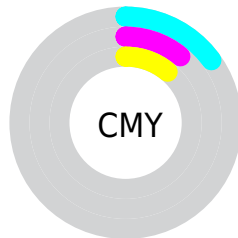
- Red (85%)
- Green (89%)
- Blue (89%)



- Red (85%)
- Yellow (87%)
- Blue (89%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9749, 74.8442, 83.4313 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 69.9749, 74.8442, 83.4313 by changing the saturation by 10% instead.

■ 69.9749, 74.8442,
83.4313

■ 69.9749, 74.8442,
83.4313

449.7297,
477.3819, 526.4314

■ 51.7856, 55.4853,
62.0033

118.1994,
126.0918, 140.0340

■ 37.0578, 39.7904,
44.5996

148.9654,
158.7492, 176.0458

■ 25.4261, 27.3751,
30.8015

184.6542,
196.6083, 217.7560

■ 16.5252, 17.8552,
20.1906

225.6313,
240.0534, 265.5831

■ 9.9898, 10.8461,
12.3482

272.2621,
289.4689, 319.9457

■ 5.4544, 5.9634,
6.8559

324.9118,

■ 2.5537, 2.8228,

345.2392, 381.2622

3.2950

383.9459,
407.7488, 449.9513

■ 0.9224, 1.0400,
1.2472

■ 0.0000, 0.0000,
0.0179

■ 69.9749, 74.8442,
83.4313

■ 69.9749, 74.8442,
83.4313

■ 62.9684, 70.2274,
82.9106

■ 77.9253, 79.9667,
84.0021

■ 56.8620, 66.0872,
82.4333

■ 83.6899, 83.9752,
84.4720

■ 51.6175, 62.4062,
81.9992

■ 84.3983, 85.3922,
84.7082

■ 47.1919, 59.1620,
81.6063

■ 85.1170, 86.8294,
84.9477

43.5381, 56.3302,
81.2523

85.8458, 88.2870,
85.1907

40.6043, 53.8843,
80.9348

86.5848, 89.7651,
85.4370

38.3324, 51.7940,
80.6510

87.3341, 91.2637,
85.6868

36.6550, 50.0246,
80.3979

88.0937, 92.7829,
85.9400

35.4902, 48.5338,
80.1716

88.8636, 94.3227,
86.1966

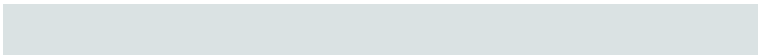
Harmonies

Analogous

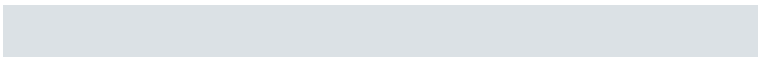
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.7978, 74.8442, 81.4850



69.9749, 74.8442, 83.4313



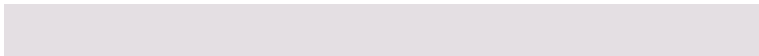
70.4630, 74.8442, 84.8777

Triad

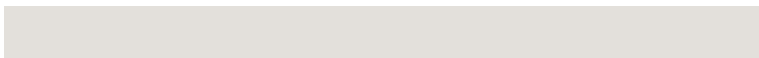
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9749, 74.8442, 83.4313



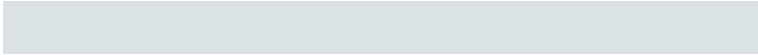
72.3095, 74.8442, 83.4448



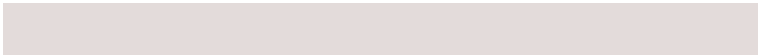
71.1398, 74.8442, 77.6930

Complementary

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



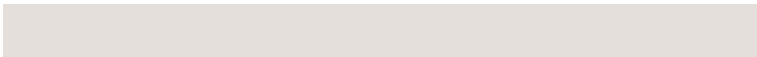
69.9749, 74.8442, 83.4313



69.6651, 72.0550, 76.5670

Split Complementary

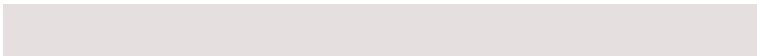
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.8156, 74.8442, 78.1987



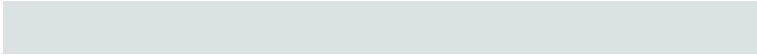
69.9749, 74.8442, 83.4313



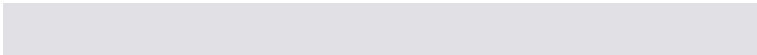
72.4936, 74.8442, 81.5003

Square

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



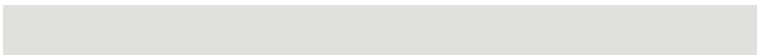
69.9749, 74.8442, 83.4313



71.8109, 74.8442, 84.8856



72.3122, 74.8442, 79.5842



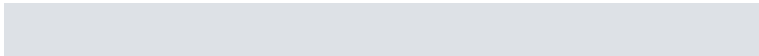
70.4676, 74.8442, 78.1913

Rectangle

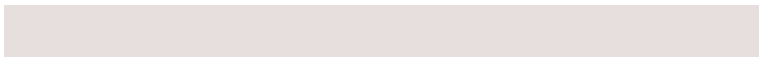
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



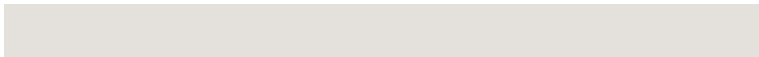
69.9749, 74.8442, 83.4313



70.9007, 74.8442, 85.3523



72.3122, 74.8442, 79.5842



71.3741, 74.8442, 77.7511

Sweetspot

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



69.9770, 74.8474, 83.4329



94.0281, 99.3396, 108.8264



69.1566, 74.9539, 77.7725



20.1367, 21.2697, 23.2941



0.0000, 0.0000, 0.0000



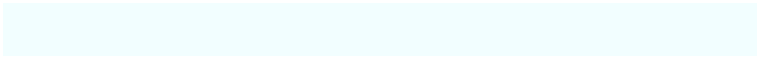
20.3446, 21.4041, 23.3091

Same Dimension

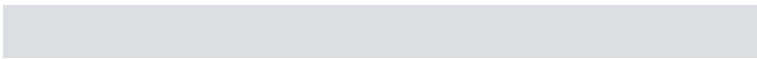
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9770, 74.8474, 83.4329



90.0652, 96.7643, 108.5382



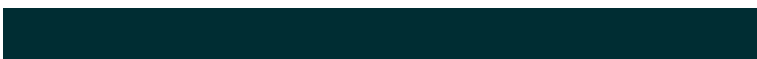
68.7948, 72.4829, 83.0389



15.2640, 16.4436, 18.5138



20.4399, 27.9419, 46.6992



1.5495, 2.1430, 3.4639

Inverse Universe

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



70.4790, 71.9660, 82.1315



90.8902, 92.0426, 106.3965



70.8292, 74.3833, 76.9551



15.4223, 15.5392, 18.1025



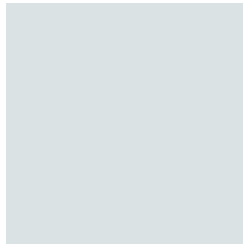
24.7106, 12.0185, 33.7008



1.8458, 0.8960, 2.5942

Previews

White Background



This preview shows how the XYZ color 69.9749, 74.8442, 83.4313 looks on a white background.

Color Contrast Check

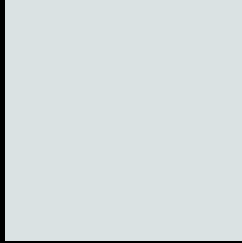
Large Text (above 18pt) WCAG AA × Fail

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 69.9749, 74.8442, 83.4313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

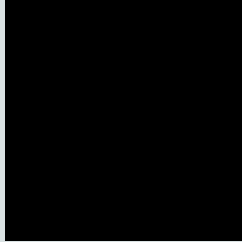
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

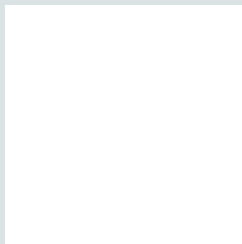
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9749, 74.8442, 83.4313

Background



This preview shows how black text looks on a background with the XYZ color 69.9749, 74.8442, 83.4313.

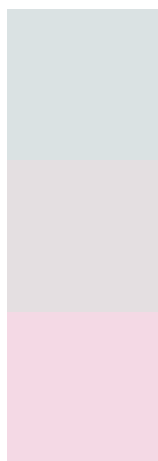


This preview shows how white text looks on a background with the XYZ color 69.9749, 74.8442,

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

69.9749, 74.8442, 83.4313

Protanopia

71.9732, 74.7056, 81.8604

Deuteranopia

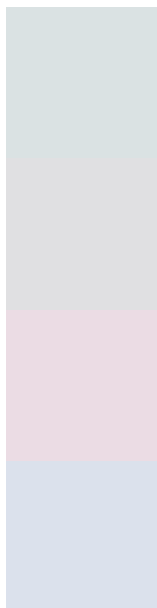
76.2639, 74.5159, 84.4922



Tritanopia

72.0480, 74.8778, 93.8746

Trichromacy



Original Color

69.9749, 74.8442, 83.4313

Protanomaly

71.1236, 74.6496, 82.6117

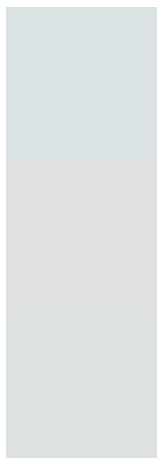
Deuteranomaly

73.8577, 74.4500, 83.8764

Tritanomaly

71.2790, 74.9666, 90.0701

Monochromacy



Original Color

69.9749, 74.8442, 83.4313

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.6400, 74.8163, 81.9520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9749, 74.8442, 83.4313 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, 226, 227) looks like.

```
.text, #text, p{  
    color:rgb(218, 226, 227)  
}
```

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, 226, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 226, 227) }
```

Border

The CSS property to change the border of an element to XYZ 69.9749, 74.8442, 83.4313 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, 226, 227) }
```


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

```
.border{ border-color:rgb(218, 226, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 226, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 226, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 226, 227);  
box-shadow:4px 4px 4px 4px rgb(218, 226,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9749, 74.8442, 83.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 226, 227) }
```

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

```
.background{ background-color: rgb(218,  
226, 227) }
```

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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