

Converting Colors

XYZ(70.4411, 74.3788, 87.1717)

Have a look what the booklet for
XYZ(70.4411, 74.3788, 87.1717)
contains.

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Color

**XYZ(70.1346, 74.0429,
86.9392)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE0E8
RGB	218, 224, 232
RGB Percent	85%, 88%, 91%
CMY	0.1451, 0.1215, 0.0902
CMYK	0.06, 0.03, 0.00, 0.09
HSL	214°, 23%, 88%
HSV	214°, 6%, 91%
XYZ	70.1346, 74.0429, 86.9392
YIQ	223.1180, -6.1440, 1.2160

Conversions

Conversions Part 2

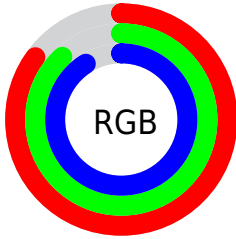
Format	Color
R _Y B	218, 222, 232
Decimal	14344424
CIE Lab	88.94, -0.52, -4.61
CIE LCh	89, 4.638, 263.602
Yxy	74.0429, 0.3035, 0.3204
Android (android.graphics.Color)	4292534504 (0xFFDAE0E8)
YUV	223.1180, 4.3788, -4.4885
Hunter-Lab	86.0482, -5.0958, 0.3298

Details

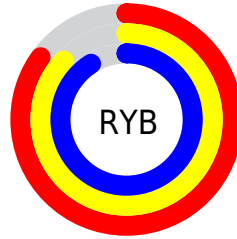
The XYZ color **70.1346, 74.0429, 86.9392** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.1303, 76.6100, 77.2638**, and the grayscale version is **70.1979, 73.8536, 80.4266**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1287, 39.2971, 46.7025** is the 20% darker color. If you saturate the color by 10%, you get **60.2532, 63.8681, 85.4972**, and if you desaturate by 10%, it is **81.2690, 85.2798, 88.5224**.

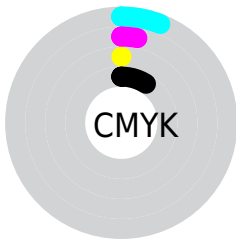
Distribution



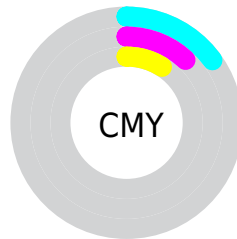
- Red (85%)
- Green (88%)
- Blue (91%)



- Red (85%)
- Yellow (87%)
- Blue (91%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1346, 74.0429, 86.9392 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 70.1346, 74.0429, 86.9392 by changing the saturation by 10% instead.

■ 70.1346, 74.0429,
86.9392

■ 70.1346, 74.0429,
86.9392

450.2815,
474.6214, 538.3341

■ 51.9163, 54.8292,
64.8856

118.4259,
124.9566, 144.9775

■ 37.1623, 39.2650,
46.9175

149.2296,
157.4254, 181.7993

■ 25.5075, 26.9659,
32.6166

184.9591,
195.0813, 224.3808

■ 16.5863, 17.5476,
21.5642

225.9798,
238.3087, 273.1406

■ 10.0334, 10.6257,
13.3418

272.6570,
287.4920, 328.4974

■ 5.4836, 5.8157,
7.5308

325.3562,

■ 2.5713, 2.7334,

343.0156, 390.8695

3.7128

384.4425,
405.2640, 460.6755

■ 0.9314, 0.9942,
1.4691

■ 0.0000, 0.0000,
0.1948

■ 70.1346, 74.0429,
86.9392

■ 70.1346, 74.0429,
86.9392

■ 60.2532, 63.8681,
85.4972

■ 81.2690, 85.2798,
88.5224

■ 51.5720, 54.7126,
84.1876

■ 90.1496, 95.7740,
90.0800

■ 44.0436, 46.5446,
83.0078

■ 91.5657, 98.6063,
90.5520

■ 37.6151, 39.3265,
81.9534

■ 32.2290, 33.0184,
81.0197

■ 27.8220, 27.5767,
80.2016

■ 24.3233, 22.9535,
79.4936

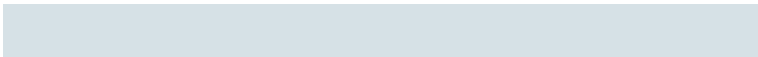
■ 21.6513, 19.0946,
78.8896

■ 19.7060, 15.9358,
78.3824

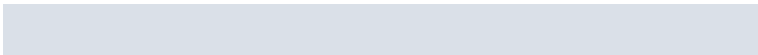
Harmonies

Analogous

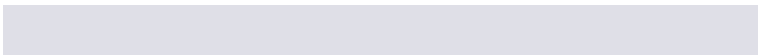
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0989, 74.0429, 85.7138



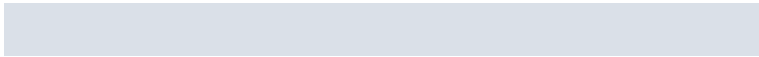
70.1346, 74.0429, 86.9392



71.2458, 74.0429, 86.4355

Triad

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



70.1346, 74.0429, 86.9392



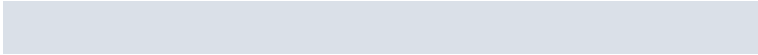
72.3778, 74.0429, 78.1634



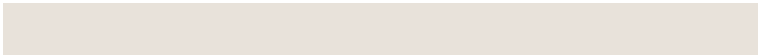
68.6475, 74.0429, 76.9971

Complementary

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



70.1346, 74.0429, 86.9392



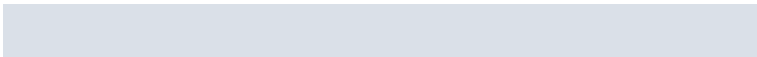
73.1303, 76.6100, 77.2638

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.



69.5124, 74.0429, 75.0717



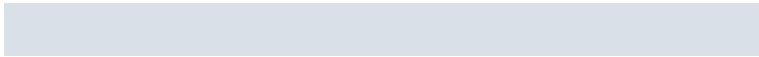
70.1346, 74.0429, 86.9392



71.6679, 74.0429, 75.7324

Square

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



70.1346, 74.0429, 86.9392



72.5487, 74.0429, 81.3130



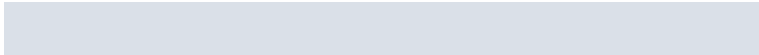
70.6171, 74.0429, 74.6149



68.2462, 74.0429, 79.9312

Rectangle

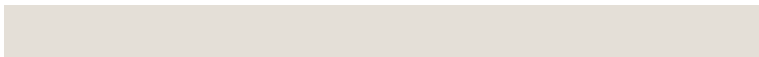
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1346, 74.0429, 86.9392



71.8790, 74.0429, 85.1933



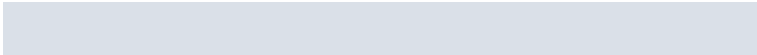
70.6171, 74.0429, 74.6149



68.8933, 74.0429, 76.2136

Sweetspot

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



70.1367, 74.0460, 86.9408



92.2762, 97.2009, 108.5059



71.4896, 78.1073, 83.2131



19.7800, 20.8344, 23.2289



0.0000, 0.0000, 0.0000



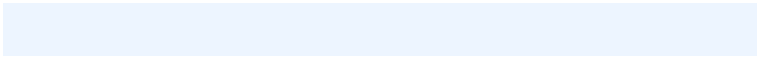
20.3446, 21.4041, 23.3091

Same Dimension

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



70.1367, 74.0460, 86.9408



85.6184, 90.4368, 107.5512



68.8315, 71.0201, 86.4256



14.4958, 15.3156, 18.3365



10.7082, 8.4784, 43.4553



0.8820, 0.8078, 3.2414

Inverse Universe

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



71.8064, 72.6819, 80.7690



88.0192, 88.4959, 98.6719



74.4892, 79.7765, 77.8034



14.9349, 14.9626, 16.7123



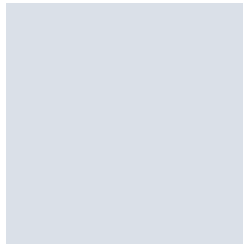
19.7985, 10.0536, 7.8338



1.5088, 0.7612, 0.8199

Previews

White Background



This preview shows how the XYZ color 70.1346, 74.0429, 86.9392 looks on a white background.

Color Contrast Check

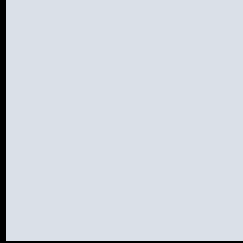
Large Text (above 18pt) WCAG AA × Fail

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 70.1346, 74.0429, 86.9392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

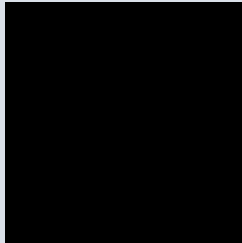
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

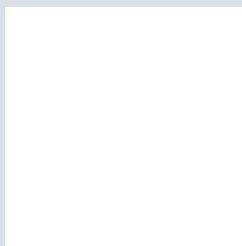
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1346, 74.0429, 86.9392

Background



This preview shows how black text looks on a background with the XYZ color 70.1346, 74.0429, 86.9392.

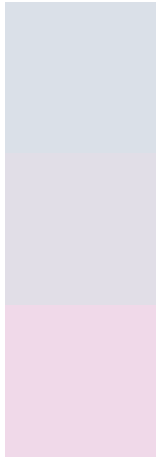


This preview shows how white text looks on a background with the XYZ color 70.1346, 74.0429, 86.9392.

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

70.1346, 74.0429, 86.9392

Protanopia

71.5964, 74.0196, 86.1150

Deuteranopia

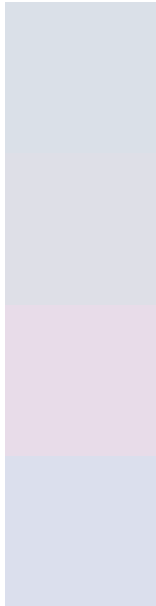
75.4560, 74.0342, 87.4039



Tritanopia

71.3293, 74.1267, 92.9865

Trichromacy



Original Color

70.1346, 74.0429, 86.9392

Protanomaly

70.9357, 74.0745, 86.1604

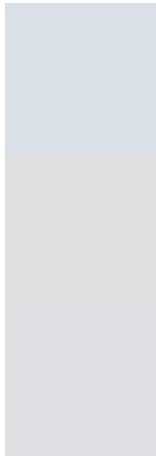
Deuteranomaly

73.5799, 74.2254, 87.5397

Tritanomaly

70.8872, 73.9498, 90.6584

Monochromacy



Original Color

70.1346, 74.0429, 86.9392

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.9339, 73.6385, 82.4792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1346, 74.0429, 86.9392 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, 224, 232) looks like.

```
.text, #text, p{  
    color:rgb(218, 224, 232)  
}
```

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, 224, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 224, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.1346, 74.0429, 86.9392 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, 224, 232) }
```


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

```
.border{ border-color:rgb(218, 224, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 224, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 224, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 224, 232);  
box-shadow:4px 4px 4px 4px rgb(218, 224,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1346, 74.0429, 86.9392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 224, 232) }
```

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

```
.background{ background-color: rgb(218,  
224, 232) }
```

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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