

Converting Colors

XYZ(69.8955, 74.3159, 86.6637)

Have a look what the booklet for
XYZ(69.8955, 74.3159, 86.6637)
contains.

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Color

**XYZ(70.1060, 74.4283,
87.0151)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E1E8
RGB	217, 225, 232
RGB Percent	85%, 88%, 91%
CMY	0.1490, 0.1176, 0.0902
CMYK	0.06, 0.03, 0.00, 0.09
HSL	208°, 25%, 88%
HSV	208°, 6%, 91%
XYZ	70.1060, 74.4283, 87.0151
YIQ	223.4060, -7.0150, 0.4810

Conversions

Conversions Part 2

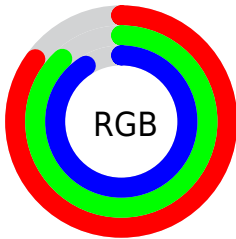
Format	Color
R _Y B	217, 222, 232
Decimal	14279144
CIE Lab	89.12, -1.36, -4.35
CIE LCh	89, 4.558, 252.616
Yxy	74.4283, 0.3028, 0.3214
Android (android.graphics.Color)	4292469224 (0xFFD9E1E8)
YUV	223.4060, 4.2368, -5.6181
Hunter-Lab	86.2718, -5.9235, 0.5895

Details

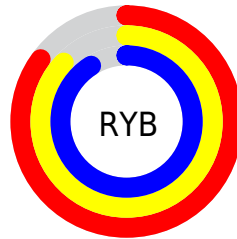
The XYZ color **70.1060, 74.4283, 87.0151** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.4591, 75.4765, 76.3964**, and the grayscale version is **70.4041, 74.0706, 80.6629**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1115, 39.5654, 46.7552** is the 20% darker color. If you saturate the color by 10%, you get **60.8560, 65.4554, 85.7718**, and if you desaturate by 10%, it is **80.5151, 84.2781, 88.3688**.

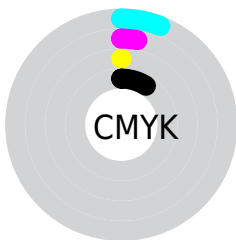
Distribution



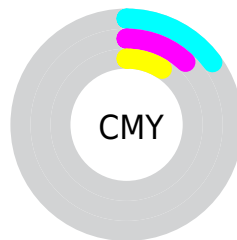
- Red (85%)
- Green (88%)
- Blue (91%)



- 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 70.1060, 74.4283, 87.0151 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 70.1060, 74.4283, 87.0151 by changing the saturation by 10% instead.

■ 70.1060, 74.4283,
87.0151

■ 70.1060, 74.4283,
87.0151

450.1827,
475.9503, 538.5900

■ 51.8929, 55.1447,
64.9480

118.3854,
125.5028, 145.0842

■ 37.1436, 39.5176,
46.9678

149.1823,
158.0624, 181.9234

■ 25.4929, 27.1626,
32.6561

184.9045,
195.8161, 224.5236

■ 16.5753, 17.6954,
21.5941

225.9174,
239.1483, 273.3034

■ 10.0256, 10.7315,
13.3635

272.5863,
288.4435, 328.6815

■ 5.4783, 5.8866,
7.5457

325.2766,

■ 2.5682, 2.7762,

344.0859, 391.0762

3.7221

384.3536,
406.4600, 460.9062

■ 0.9298, 1.0161,
1.4741

■ 0.0000, 0.0000,
0.1986

■ 70.1060, 74.4283,
87.0151

■ 70.1060, 74.4283,
87.0151

■ 60.8560, 65.4554,
85.7718

■ 80.5151, 84.2781,
88.3688

■ 52.7151, 57.3224,
84.6311

■ 88.9591, 93.3930,
89.6831

■ 45.6389, 50.0033,
83.5913

■ 91.5657, 98.6063,
90.5520

■ 39.5773, 43.4670,
82.6491

■ 34.4761, 37.6798,
81.8010

■ 30.2751, 32.6052,
81.0429

■ 26.9070, 28.2024,
80.3706

■ 24.2934, 24.4249,
79.7792

■ 22.3367, 21.2159,
79.2629

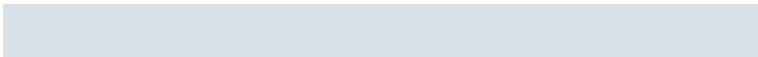
Harmonies

Analogous

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



69.1826, 74.4283, 85.2499



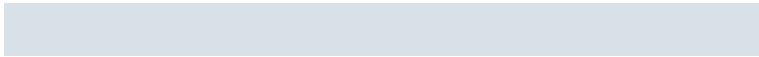
70.1060, 74.4283, 87.0151



71.2091, 74.4283, 87.1532

Triad

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



70.1060, 74.4283, 87.0151



72.8455, 74.4283, 79.7118



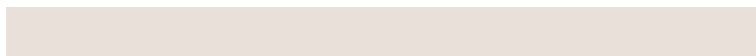
69.3064, 74.4283, 76.6236

Complementary

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



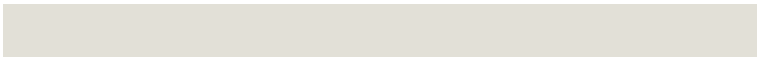
70.1060, 74.4283, 87.0151



72.4591, 75.4765, 76.3964

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.



70.2767, 74.4283, 75.2191



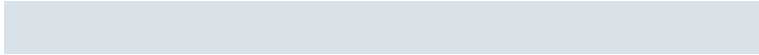
70.1060, 74.4283, 87.0151



72.3244, 74.4283, 76.9705

Square

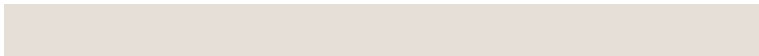
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1060, 74.4283, 87.0151



72.7986, 74.4283, 82.8801



71.3816, 74.4283, 75.3444



68.7242, 74.4283, 79.2269

Rectangle

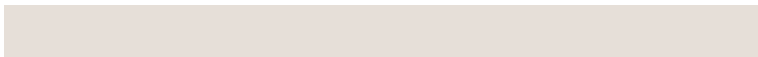
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1060, 74.4283, 87.0151



71.8987, 74.4283, 86.2990



71.3816, 74.4283, 75.3444



69.5975, 74.4283, 75.9987

Sweetspot

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



70.1081, 74.4315, 87.0167



92.4443, 97.5371, 108.5619



70.8938, 77.8345, 81.6317



19.8142, 20.9028, 23.2403



0.0000, 0.0000, 0.0000



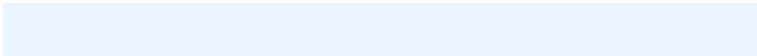
20.3446, 21.4041, 23.3091

Same Dimension

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



70.1081, 74.4315, 87.0167



84.9782, 90.4125, 107.5803



68.1887, 70.5925, 86.3769



14.2164, 15.1542, 18.3201



12.1999, 11.4620, 43.9526



0.9943, 1.0326, 3.2789

Inverse Universe

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



71.6839, 72.2193, 81.3993



87.3894, 87.0701, 98.9747



74.4503, 79.4587, 77.0601



14.6968, 14.4959, 16.6038



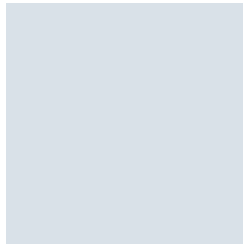
20.5515, 10.3548, 11.7990



1.5655, 0.7839, 1.1186

Previews

White Background



This preview shows how the XYZ color 70.1060, 74.4283, 87.0151 looks on a white background.

Color Contrast Check

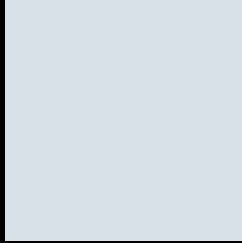
Large Text (above 18pt) WCAG AA × Fail

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 70.1060, 74.4283, 87.0151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

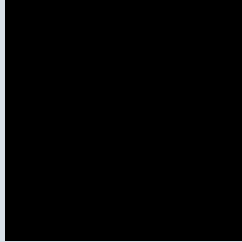
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

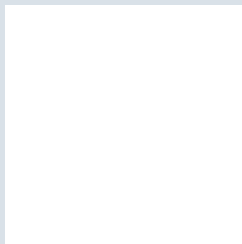
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1060, 74.4283, 87.0151

Background



This preview shows how black text looks on a background with the XYZ color 70.1060, 74.4283, 87.0151.

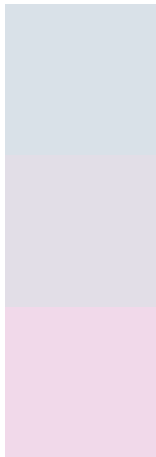


This preview shows how white text looks on a background with the XYZ color 70.1060, 74.4283,

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

70.1060, 74.4283, 87.0151

Protanopia

71.9091, 74.1808, 86.1296

Deuteranopia

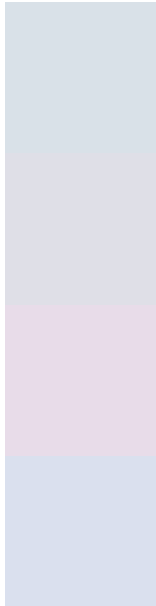
75.9398, 74.2670, 88.1744



Tritanopia

71.7463, 74.7223, 93.8605

Trichromacy



Original Color

70.1060, 74.4283, 87.0151

Protanomaly

71.2429, 74.2328, 86.1748

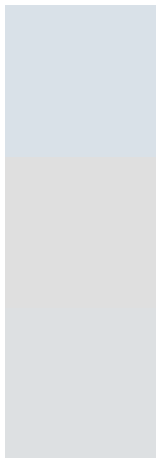
Deuteranomaly

73.5799, 74.2254, 87.5397

Tritanomaly

71.0017, 74.3898, 91.5054

Monochromacy



Original Color

70.1060, 74.4283, 87.0151

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.2019, 74.1744, 82.5686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1060, 74.4283, 87.0151 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(217, 225, 232) looks like.

```
.text, #text, p{  
    color:rgb(217, 225, 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(217, 225, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 225, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.1060, 74.4283, 87.0151 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(217, 225, 232) }
```


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

```
.border{ border-color:rgb(217, 225, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 225, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 225, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 225, 232);  
box-shadow:4px 4px 4px 4px rgb(217, 225,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1060, 74.4283, 87.0151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 225, 232) }
```

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

```
.background{ background-color: rgb(217,  
225, 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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