

Converting Colors

XYZ(69.9990, 74.7277, 87.1157)

Have a look what the booklet for
XYZ(69.9990, 74.7277, 87.1157)
contains.

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Color

**XYZ(70.0807, 74.8178,
87.0916)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E2E8
RGB	216, 226, 232
RGB Percent	85%, 89%, 91%
CMY	0.1529, 0.1137, 0.0902
CMYK	0.07, 0.03, 0.00, 0.09
HSL	202°, 26%, 88%
HSV	202°, 7%, 91%
XYZ	70.0807, 74.8178, 87.0916
YIQ	223.6940, -7.8860, -0.2540

Conversions

Conversions Part 2

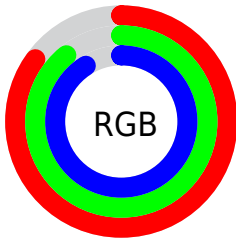
Format	Color
R _Y B	216, 222, 232
Decimal	14213864
CIE Lab	89.31, -2.21, -4.09
CIE LCh	89, 4.645, 241.658
Yxy	74.8178, 0.3021, 0.3225
Android (android.graphics.Color)	4292403944 (0xFFD8E2E8)
YUV	223.6940, 4.0949, -6.7476
Hunter-Lab	86.4973, -6.7483, 0.8507

Details

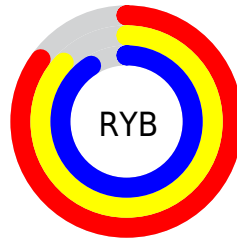
The XYZ color **70.0807, 74.8178, 87.0916** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7949, 74.3556, 75.5349**, and the grayscale version is **70.6107, 74.2879, 80.8995**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0973, 39.8375, 46.8085** is the 20% darker color. If you saturate the color by 10%, you get **61.4003, 66.9234, 86.0265**, and if you desaturate by 10%, it is **79.8530, 83.4572, 88.2453**.

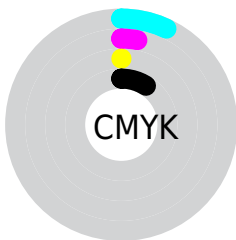
Distribution



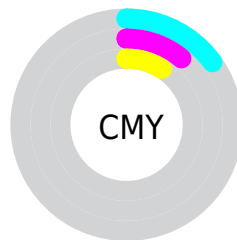
- Red (85%)
- Green (89%)
- Blue (91%)



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



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0807, 74.8178, 87.0916 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 70.0807, 74.8178, 87.0916 by changing the saturation by 10% instead.

■ 70.0807, 74.8178,
87.0916

■ 70.0807, 74.8178,
87.0916

450.0953,
477.2911, 538.8478

■ 51.8722, 55.4636,
65.0110

118.3495,
126.0544, 145.1918

■ 37.1270, 39.7731,
47.0186

149.1404,
158.7057, 182.0484

■ 25.4800, 27.3616,
32.6959

184.8562,
196.5581, 224.6675

■ 16.5657, 17.8450,
21.6244

225.8622,
239.9960, 273.4675

■ 10.0187, 10.8388,
13.3855

272.5238,
289.4039, 328.8670

■ 5.4737, 5.9585,
7.5607

325.2062,

■ 2.5654, 2.8199,

345.1661, 391.2845

3.7314

384.2749,
407.6670, 461.1386

■ 0.9283, 1.0384,
1.4792

■ 0.0000, 0.0000,
0.2024

■ 70.0807, 74.8178,
87.0916

■ 70.0807, 74.8178,
87.0916

■ 61.4003, 66.9234,
86.0265

■ 79.8530, 83.4572,
88.2453

■ 53.7634, 59.7403,
85.0425

■ 87.9747, 91.4242,
89.3550

■ 47.1270, 53.2457,
84.1387

■ 90.6444, 96.7637,
90.2449

■ 41.4428, 47.4120,
83.3123

■ 91.5657, 98.6063,
90.5520

■ 36.6581, 42.2091,
82.5602

■ 32.7144, 37.6042,
81.8792

■ 29.5461, 33.5604,
81.2657

■ 27.0762, 30.0350,
80.7154

■ 25.2066, 26.9743,
80.2231

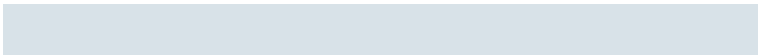
Harmonies

Analogous

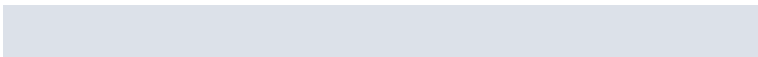
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2699, 74.8178, 84.7897



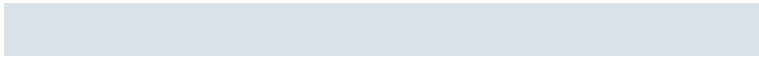
70.0807, 74.8178, 87.0916



71.1753, 74.8178, 87.8748

Triad

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



70.0807, 74.8178, 87.0916



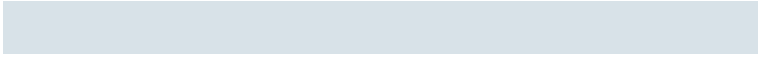
73.3167, 74.8178, 81.2831



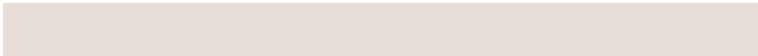
69.9724, 74.8178, 76.2570

Complementary

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



70.0807, 74.8178, 87.0916



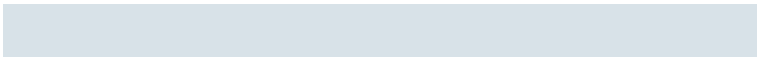
71.7949, 74.3556, 75.5349

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.



71.0489, 74.8178, 75.3726



70.0807, 74.8178, 87.0916



72.9866, 74.8178, 78.2262

Square

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



70.0807, 74.8178, 87.0916



73.0509, 74.8178, 84.4682



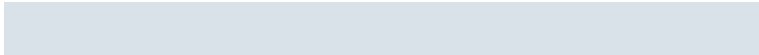
72.1535, 74.8178, 76.0839



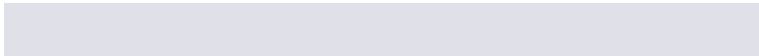
69.2079, 74.8178, 78.5316

Rectangle

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



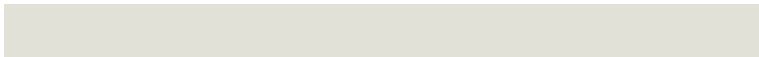
70.0807, 74.8178, 87.0916



71.9209, 74.8178, 87.4141



72.1535, 74.8178, 76.0839



70.3094, 74.8178, 75.7900

Sweetspot

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



70.0829, 74.8210, 87.0933



92.5918, 97.8320, 108.6111



70.3436, 77.5802, 80.2817



19.8442, 20.9629, 23.2503



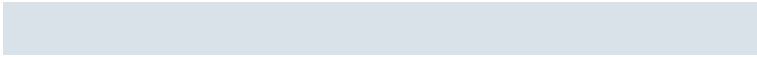
0.0000, 0.0000, 0.0000



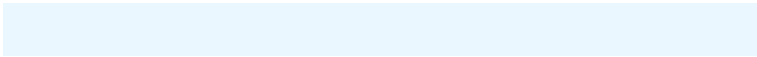
20.3446, 21.4041, 23.3091

Same Dimension

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



70.0829, 74.8210, 87.0933



85.5483, 91.5527, 107.7703



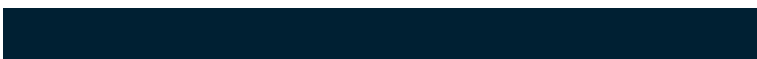
67.9915, 70.6383, 86.3961



14.3298, 15.3810, 18.3579



13.8365, 14.7351, 44.4981



1.1110, 1.2659, 3.3178

Inverse Universe

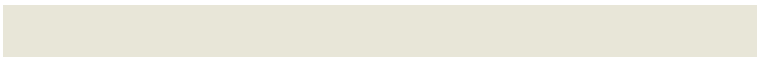
The Inverse Universe completely reimagines the original color for something new.



71.5637, 71.7599, 82.0344



87.6772, 87.1852, 100.4901



73.9343, 78.6344, 76.2481



14.7541, 14.5188, 16.9052



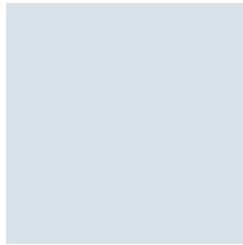
21.3775, 10.6852, 16.1489



1.6244, 0.8075, 1.4286

Previews

White Background



This preview shows how the XYZ color 70.0807, 74.8178, 87.0916 looks on a white background.

Color Contrast Check

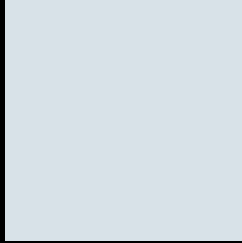
Large Text (above 18pt) WCAG AA × Fail

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 70.0807, 74.8178, 87.0916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

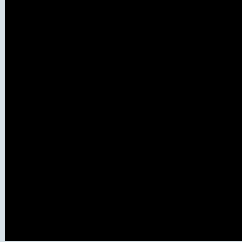
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

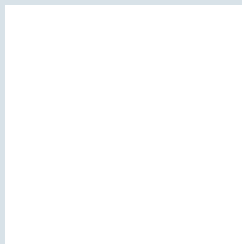
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0807, 74.8178, 87.0916

Background



This preview shows how black text looks on a background with the XYZ color 70.0807, 74.8178, 87.0916.

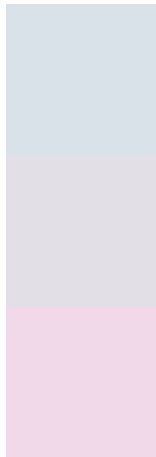


This preview shows how white text looks on a background with the XYZ color 70.0807, 74.8178,

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

70.0807, 74.8178, 87.0916

Protanopia

72.0346, 74.6573, 85.4766

Deuteranopia

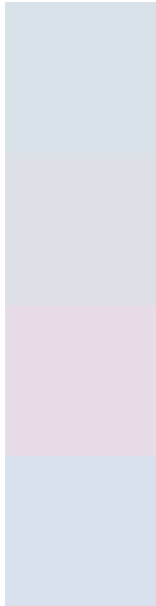
76.2821, 74.4435, 88.1904



Tritanopia

71.5961, 74.6275, 94.6354

Trichromacy



Original Color

70.0807, 74.8178, 87.0916

Protanomaly

71.2037, 74.6104, 86.2497

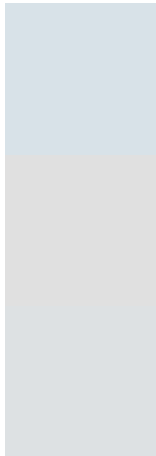
Deuteranomaly

73.9055, 74.3932, 87.5549

Tritanomaly

70.9731, 74.7752, 91.5813

Monochromacy



Original Color

70.0807, 74.8178, 87.0916

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.6091, 74.7686, 83.3833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0807, 74.8178, 87.0916 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(216, 226, 232) looks like.

```
.text, #text, p{  
    color:rgb(216, 226, 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(216, 226, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 226, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.0807, 74.8178, 87.0916 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(216, 226, 232) }
```


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

```
.border{ border-color:rgb(216, 226, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 226, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 226, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 226, 232);  
box-shadow:4px 4px 4px 4px rgb(216, 226,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0807, 74.8178, 87.0916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 226, 232) }
```

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

```
.background{ background-color: rgb(216,  
226, 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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