

Converting Colors

XYZ(71.2870, 76.3116, 87.0456)

Have a look what the booklet for
XYZ(71.2870, 76.3116, 87.0456)
contains.

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Color

**XYZ(71.2223, 76.2184,
87.3017)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE4E8
RGB	218, 228, 232
RGB Percent	85%, 89%, 91%
CMY	0.1451, 0.1059, 0.0902
CMYK	0.06, 0.02, 0.00, 0.09
HSL	197°, 23%, 88%
HSV	197°, 6%, 91%
XYZ	71.2223, 76.2184, 87.3017
YIQ	225.4660, -7.2440, -0.8760

Conversions

Conversions Part 2

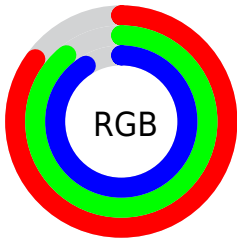
Format	Color
R _Y B	218, 224, 232
Decimal	14345448
CIE Lab	89.96, -2.58, -3.11
CIE LCh	90, 4.042, 230.329
Yxy	76.2184, 0.3034, 0.3247
Android (android.graphics.Color)	4292535528 (0xFFDAE4E8)
YUV	225.4660, 3.2213, -6.5477
Hunter-Lab	87.3032, -7.1594, 1.8232

Details

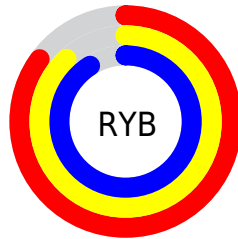
The XYZ color **71.2223, 76.2184, 87.3017** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.0551, 74.4596, 76.9053**, and the grayscale version is **71.8864, 75.6301, 82.3612**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8843, 40.8083, 46.9544** is the 20% darker color. If you saturate the color by 10%, you get **62.9777, 69.3171, 86.4053**, and if you desaturate by 10%, it is **80.5122, 83.7664, 88.2701**.

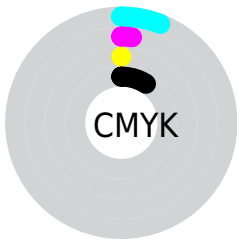
Distribution



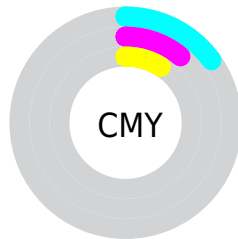
- Red (85%)
- Green (89%)
- Blue (91%)



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



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2223, 76.2184, 87.3017 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 71.2223, 76.2184, 87.3017 by changing the saturation by 10% instead.

■ 71.2223, 76.2184,
87.3017

■ 71.2223, 76.2184,
87.3017

454.0299,
482.0950, 539.5557

■ 52.8068, 56.6116,
65.1839

119.9670,
128.0356, 145.4872

■ 37.8754, 40.6935,
47.1579

151.0269,
161.0148, 182.3919

■ 26.0628, 28.0797,
32.8052

187.0324,
199.2202, 225.0626

■ 17.0036, 18.3857,
21.7074

228.3487,
243.0363, 273.9179

■ 10.3323, 11.2273,
13.4458

275.3413,
292.8474, 329.3763

■ 5.6838, 6.2199,
7.6019

328.3754,

■ 2.6926, 2.9793,

349.0380, 391.8564

3.7572

387.8165,
411.9924, 461.7767

■ 0.9934, 1.1209,
1.4931

■ 0.0000, 0.0000,
0.2128

■ 71.2223, 76.2184,
87.3017

■ 71.2223, 76.2184,
87.3017

■ 62.9777, 69.3171,
86.4053

■ 80.5122, 83.7664,
88.2701

■ 55.7309, 63.0306,
85.5739

■ 87.3352, 90.1453,
89.1418

■ 49.4405, 57.3384,
84.8067

■ 89.3341, 94.1431,
89.8081

■ 44.0594, 52.2150,
84.1014

■ 91.4051, 98.2850,
90.4984

■ 39.5362, 47.6329,
83.4554

■ 91.5657, 98.6063,
90.5520

■ 35.8144, 43.5616,
82.8657

■ 32.8300, 39.9669,
82.3291

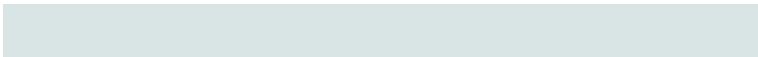
■ 30.5085, 36.8091,
81.8420

■ 28.7577, 34.0394,
81.3996

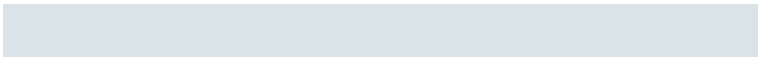
Harmonies

Analogous

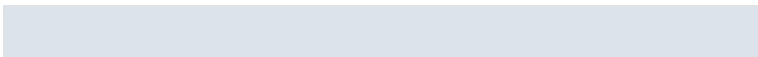
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6545, 76.2184, 84.9174



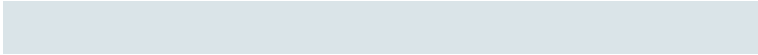
71.2223, 76.2184, 87.3017



72.1206, 76.2184, 88.5387

Triad

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



71.2223, 76.2184, 87.3017



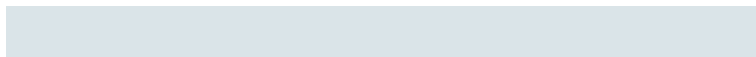
74.3561, 76.2184, 83.9178



71.7771, 76.2184, 77.9297

Complementary

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



71.2223, 76.2184, 87.3017



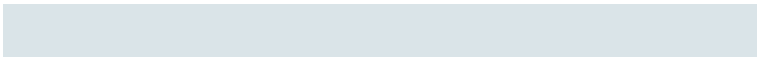
72.0551, 74.4596, 76.9053

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.



72.7669, 76.2184, 77.6760



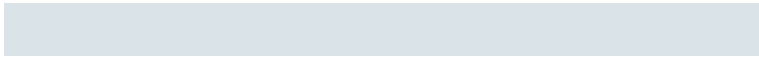
71.2223, 76.2184, 87.3017



74.2620, 76.2184, 81.0898

Square

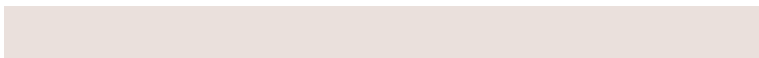
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2223, 76.2184, 87.3017



73.9340, 76.2184, 86.5555



73.6782, 76.2184, 78.8205



70.9728, 76.2184, 79.5216

Rectangle

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



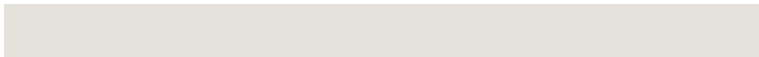
71.2223, 76.2184, 87.3017



72.7887, 76.2184, 88.5272



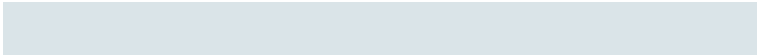
73.6782, 76.2184, 78.8205



72.0990, 76.2184, 77.6865

Sweetspot

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



71.2245, 76.2216, 87.3034



92.7358, 98.1202, 108.6591



70.9516, 77.8920, 80.3801



19.8736, 21.0215, 23.2601



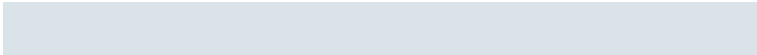
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



71.2245, 76.2216, 87.3034



87.1811, 93.5623, 108.0721



69.3454, 72.4634, 86.6770



14.7815, 15.8869, 18.4317



15.7463, 18.5546, 45.1347



1.2419, 1.5277, 3.3614

Inverse Universe

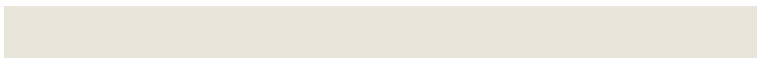
The Inverse Universe completely reimagines the original color for something new.



72.3554, 72.9015, 83.6604



88.8080, 88.8114, 102.8257



73.9448, 78.2391, 77.5352



15.0791, 15.0203, 17.4715



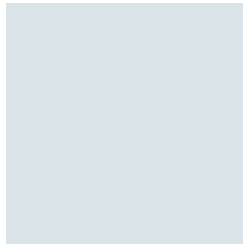
22.3415, 11.0708, 21.2251



1.6905, 0.8339, 1.7765

Previews

White Background



This preview shows how the XYZ color 71.2223, 76.2184, 87.3017 looks on a white background.

Color Contrast Check

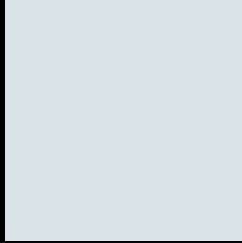
Large Text (above 18pt) WCAG AA × Fail

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 71.2223, 76.2184, 87.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

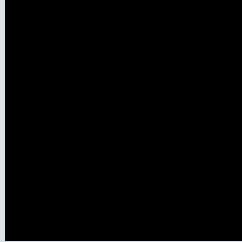
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

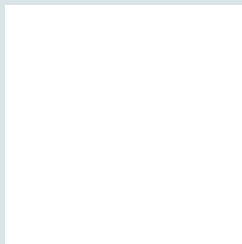
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2223, 76.2184, 87.3017

Background



This preview shows how black text looks on a background with the XYZ color 71.2223, 76.2184, 87.3017.

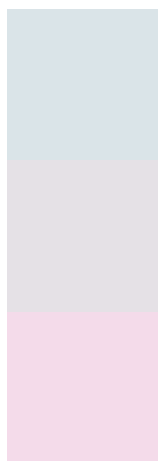


This preview shows how white text looks on a background with the XYZ color 71.2223, 76.2184,

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

71.2223, 76.2184, 87.3017

Protanopia

73.5212, 76.2216, 85.7002

Deuteranopia

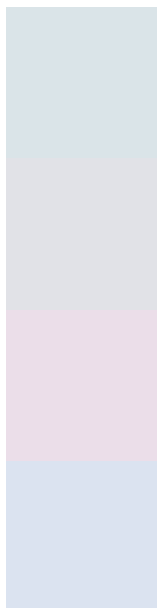
77.4910, 75.8366, 88.3956



Tritanopia

73.0407, 76.1400, 96.4348

Trichromacy



Original Color

71.2223, 76.2184, 87.3017

Protanomaly

72.6715, 76.1698, 86.4733

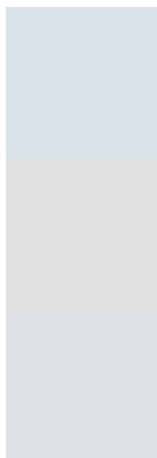
Deuteranomaly

75.0902, 75.7879, 87.7616

Tritanomaly

72.4107, 76.2895, 93.3470

Monochromacy



Original Color

71.2223, 76.2184, 87.3017

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.3241, 75.5237, 84.2171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2223, 76.2184, 87.3017 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, 228, 232) looks like.

```
.text, #text, p{  
    color:rgb(218, 228, 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, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 228, 232) }
```

Border

The CSS property to change the border of an element to XYZ 71.2223, 76.2184, 87.3017 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, 228, 232) }
```


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

```
.border{ border-color:rgb(218, 228, 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, 228, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 228, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 228, 232);  
box-shadow:4px 4px 4px 4px rgb(218, 228,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2223, 76.2184, 87.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 228, 232) }
```

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

```
.background{ background-color: rgb(218,  
228, 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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