

Converting Colors

XYZ(72.1931, 76.4227, 92.8080)

Have a look what the booklet for
XYZ(72.1931, 76.4227, 92.8080)
contains.

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Color

**XYZ(72.2368, 76.6242,
92.6440)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE4EF
RGB	218, 228, 239
RGB Percent	85%, 89%, 94%
CMY	0.1451, 0.1059, 0.0627
CMYK	0.09, 0.05, 0.00, 0.06
HSL	211°, 40%, 90%
HSV	211°, 9%, 94%
XYZ	72.2368, 76.6242, 92.6440
YIQ	226.2640, -9.4910, 1.3010

Conversions

Conversions Part 2

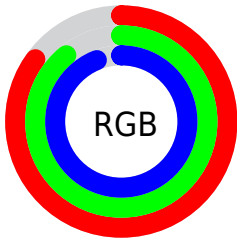
Format	Color
R _Y B	218, 225, 239
Decimal	14345455
CIE Lab	90.15, -1.24, -6.50
CIE LCh	90, 6.621, 259.174
Yxy	76.6242, 0.2991, 0.3173
Android (android.graphics.Color)	4292535535 (0xFFDAE4EF)
YUV	226.2640, 6.2788, -7.2475
Hunter-Lab	87.5353, -5.8830, -1.4756

Details

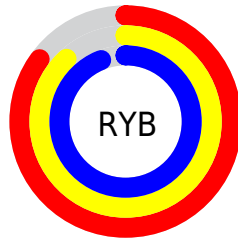
The XYZ color **72.2368, 76.6242, 92.6440** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.2711, 79.4507, 77.6466**, and the grayscale version is **72.4425, 76.2151, 82.9982**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5951, 41.0926, 50.6972** is the 20% darker color. If you saturate the color by 10%, you get **62.2798, 66.5656, 91.2285**, and if you desaturate by 10%, it is **83.4780, 87.7190, 94.1942**.

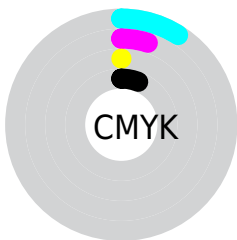
Distribution



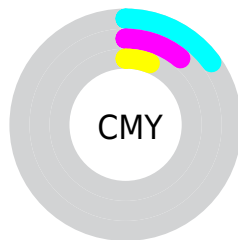
- Red (85%)
- Green (89%)
- Blue (94%)



- Red (85%)
- Yellow (88%)
- Blue (94%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (15%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2368, 76.6242, 92.6440 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 72.2368, 76.6242, 92.6440 by changing the saturation by 10% instead.

■ 72.2368, 76.6242,
92.6440

■ 72.2368, 76.6242,
92.6440

457.5102,
483.4818, 557.3852

■ 53.6383, 56.9445,
69.5896

121.4021,
128.6089, 152.9731

■ 38.5421, 40.9607,
50.7173

152.6996,
161.6826, 191.0849

■ 26.5828, 28.2884,
35.6085

188.9609,
199.9898, 235.0529

■ 17.3951, 18.5431,
23.8447

230.5512,
243.9149, 285.2957

■ 10.6136, 11.3406,
15.0073

277.8359,
293.8423, 342.2317

■ 5.8730, 6.2964,
8.6778

331.1804,

■ 2.8080, 3.0262,

350.1562, 406.2796

4.4377

390.9501,
413.2413, 477.8579

■ 1.0530, 1.1454,
1.8684

■ 0.0000, 0.0164,
0.4725

■ 72.2368, 76.6242,
92.6440

■ 72.2368, 76.6242,
92.6440

■ 62.2798, 66.5656,
91.2285

■ 83.4780, 87.7190,
94.1942

■ 53.5513, 57.5005,
89.9388

■ 91.9567, 97.7651,
95.6864

■ 46.0011, 49.3970,
88.7726

■ 92.5802, 99.0121,
95.8943

■ 39.5725, 42.2176,
87.7256

■ 34.2041, 35.9220,
86.7934

■ 29.8279, 30.4661,
85.9710

■ 26.3668, 25.8010,
85.2529

■ 23.7309, 21.8703,
84.6332

■ 21.7893, 18.5964,
84.1036

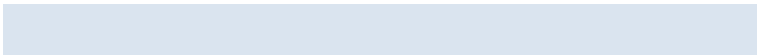
Harmonies

Analogous

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



70.7816, 76.6242, 90.4717



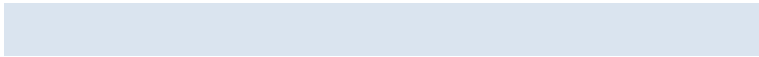
72.2368, 76.6242, 92.6440



73.8724, 76.6242, 92.2786

Triad

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



72.2368, 76.6242, 92.6440



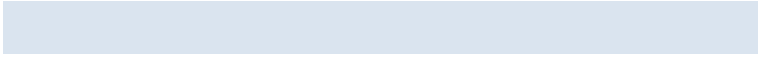
75.8562, 76.6242, 80.4920



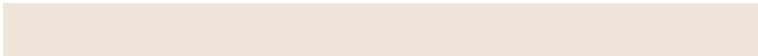
70.4627, 76.6242, 77.6501

Complementary

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



72.2368, 76.6242, 92.6440



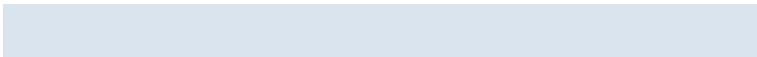
76.2711, 79.4507, 77.6466

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.



71.7955, 76.6242, 75.1673



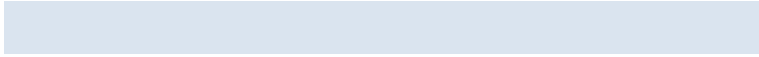
72.2368, 76.6242, 92.6440



74.9156, 76.6242, 76.7649

Square

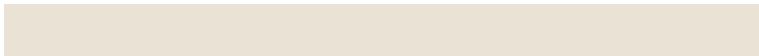
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2368, 76.6242, 92.6440



75.9787, 76.6242, 85.1430



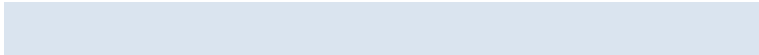
73.4244, 76.6242, 74.8495



69.7676, 76.6242, 81.7416

Rectangle

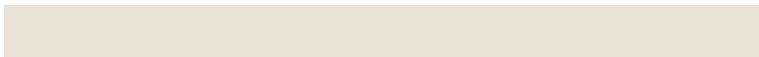
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2368, 76.6242, 92.6440



74.8445, 76.6242, 90.6488



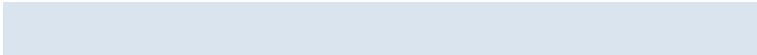
73.4244, 76.6242, 74.8495



70.8501, 76.6242, 76.6063

Sweetspot

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



72.2390, 76.6274, 92.6457



91.0267, 96.0485, 108.3493



73.9031, 82.2885, 86.0084



19.2583, 20.3363, 23.1602



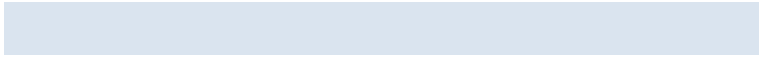
0.0000, 0.0000, 0.0000



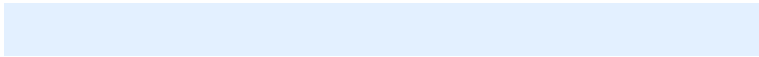
20.3446, 21.4041, 23.3091

Same Dimension

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



72.2390, 76.6274, 92.6457



80.9647, 86.0466, 106.9491



69.6709, 71.3356, 91.7596



15.5184, 16.4709, 20.0829



12.0553, 10.3348, 46.4873



1.1019, 1.0577, 3.9003

Inverse Universe

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



74.6733, 74.0965, 83.7689



84.4699, 82.4806, 94.1494



79.0011, 85.0861, 78.5904



16.0863, 15.8842, 18.0109



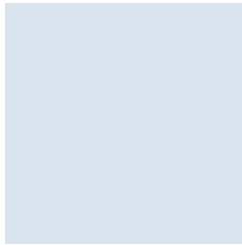
21.4106, 10.8367, 10.0786



1.8311, 0.9215, 1.1016

Previews

White Background



This preview shows how the XYZ color 72.2368, 76.6242, 92.6440 looks on a white background.

Color Contrast Check

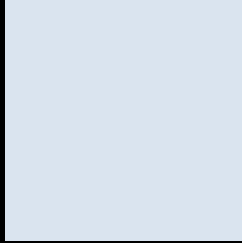
Large Text (above 18pt) WCAG AA × Fail

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 72.2368, 76.6242, 92.6440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

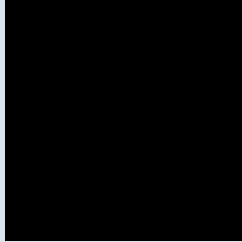
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

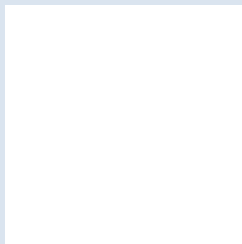
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2368, 76.6242, 92.6440

Background



This preview shows how black text looks on a background with the XYZ color 72.2368, 76.6242, 92.6440.



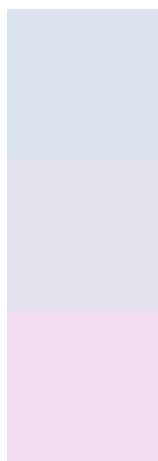
This preview shows how white text looks on a background with the XYZ color 72.2368, 76.6242,

92.6440.

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

72.2368, 76.6242, 92.6440

Protanopia

73.8898, 76.2957, 90.9529

Deuteranopia

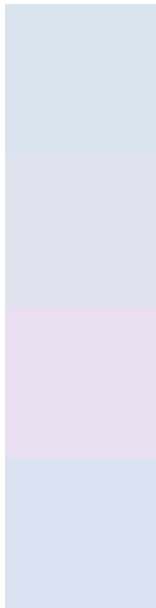
78.0883, 76.4145, 93.8529



Tritanopia

73.1639, 76.5908, 97.3136

Trichromacy



Original Color

72.2368, 76.6242, 92.6440

Protanomaly

73.3694, 76.4131, 91.7711

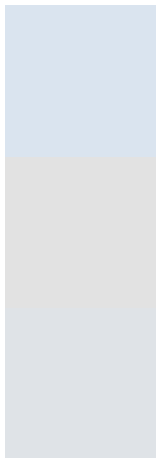
Deuteranomaly

75.7201, 76.3903, 93.1920

Tritanomaly

72.8602, 76.4693, 95.7139

Monochromacy



Original Color

72.2368, 76.6242, 92.6440

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.3243, 76.3957, 86.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2368, 76.6242, 92.6440 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, 239) looks like.

```
.text, #text, p{  
    color:rgb(218, 228, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 228, 239) }
```

Border

The CSS property to change the border of an element to XYZ 72.2368, 76.6242, 92.6440 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, 239) }
```


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

```
.border{ border-color:rgb(218, 228, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 228, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 228, 239);  
box-shadow:4px 4px 4px 4px rgb(218, 228,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2368, 76.6242, 92.6440 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, 239) }
```

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

```
.background{ background-color: rgb(218,  
228, 239) }
```

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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