

Converting Colors

XYZ(72.1945, 76.9758, 89.3877)

Have a look what the booklet for
XYZ(72.1945, 76.9758, 89.3877)
contains.

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Color

**XYZ(72.2281, 77.0969,
89.6716)**

Conversions

Conversions Part 1

Format	Color
Hex	DBE5EB
RGB	219, 229, 235
RGB Percent	86%, 90%, 92%
CMY	0.1412, 0.1019, 0.0784
CMYK	0.07, 0.03, 0.00, 0.08
HSL	202°, 29%, 89%
HSV	202°, 7%, 92%
XYZ	72.2281, 77.0969, 89.6716
YIQ	226.6940, -7.8860, -0.2540

Conversions

Conversions Part 2

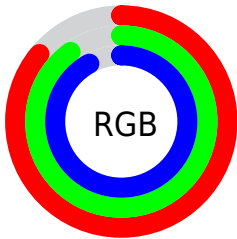
Format	Color
R _Y B	219, 225, 235
Decimal	14411243
CIE Lab	90.37, -2.20, -4.08
CIE LCh	90, 4.634, 241.649
Yxy	77.0969, 0.3022, 0.3226
Android (android.graphics.Color)	4292601323 (0xFFDBE5EB)
YUV	226.6940, 4.0949, -6.7476
Hunter-Lab	87.8048, -6.8247, 0.9129

Details

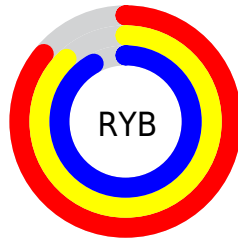
The XYZ color **72.2281, 77.0969, 89.6716** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.9725, 76.6262, 77.9105**, and the grayscale version is **72.7686, 76.5582, 83.3719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5826, 41.4193, 48.6090** is the 20% darker color. If you saturate the color by 10%, you get **63.2764, 68.9579, 88.5736**, and if you desaturate by 10%, it is **82.3060, 86.0043, 90.8609**.

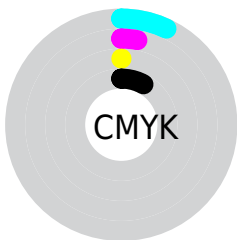
Distribution



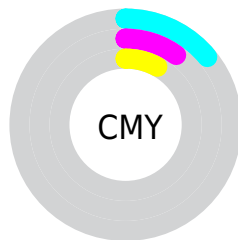
- Red (86%)
- Green (90%)
- Blue (92%)



- Red (86%)
- Yellow (88%)
- Blue (92%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (14%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2281, 77.0969, 89.6716 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 72.2281, 77.0969, 89.6716 by changing the saturation by 10% instead.

■ 72.2281, 77.0969,
89.6716

■ 72.2281, 77.0969,
89.6716

457.4805,
485.0943, 547.5045

■ 53.6312, 57.3324,
67.1361

121.3898,
129.2763, 148.8137

■ 38.5364, 41.2722,
48.7330

152.6853,
162.4599, 186.2574

■ 26.5783, 28.5318,
34.0436

188.9444,
200.8854, 229.5075

■ 17.3917, 18.7269,
22.6495

230.5323,
244.9371, 278.9827

■ 10.6112, 11.4731,
14.1320

277.8146,
294.9995, 335.1015

■ 5.8714, 6.3860,
8.0727

331.1564,

■ 2.8070, 3.0812,

351.4569, 398.2823

4.0531

390.9233,
414.6937, 468.9438

■ 1.0525, 1.1743,
1.6545

■ 0.0000, 0.0405,
0.3293

■ 72.2281, 77.0969,
89.6716

■ 72.2281, 77.0969,
89.6716

■ 63.2764, 68.9579,
88.5736

■ 82.3060, 86.0043,
90.8609

■ 55.4008, 61.5523,
87.5593

■ 89.3801, 93.5472,
91.9440

■ 48.5571, 54.8568,
86.6276

■ 91.9956, 98.7782,
92.8158

■ 42.6955, 48.8429,
85.7758

■ 37.7615, 43.4795,
85.0006

■ 33.6950, 38.7328,
84.2987

■ 30.4281, 34.5647,
83.6663

■ 27.8815, 30.9312,
83.0992

■ 25.9548, 27.7772,
82.5920

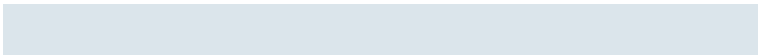
Harmonies

Analogous

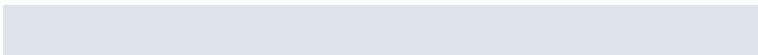
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4028, 77.0969, 87.3292



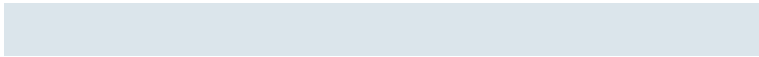
72.2281, 77.0969, 89.6716



73.3422, 77.0969, 90.4689

Triad

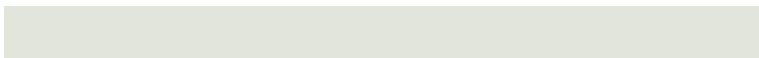
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2281, 77.0969, 89.6716



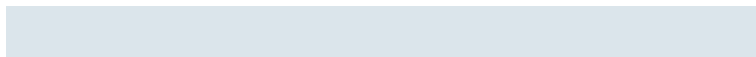
75.5220, 77.0969, 83.7625



72.1185, 77.0969, 78.6435

Complementary

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



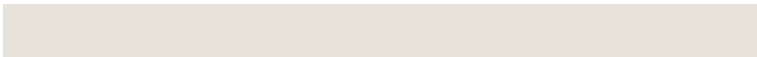
72.2281, 77.0969, 89.6716



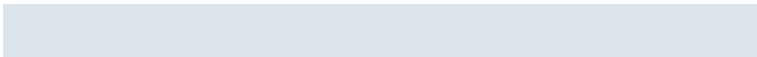
73.9725, 76.6262, 77.9105

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.



73.2144, 77.0969, 77.7433



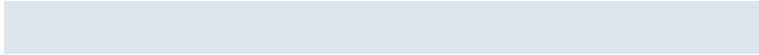
72.2281, 77.0969, 89.6716



75.1863, 77.0969, 80.6502

Square

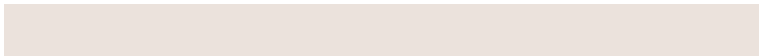
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2281, 77.0969, 89.6716



75.2513, 77.0969, 87.0040



74.3386, 77.0969, 78.4683



71.3400, 77.0969, 80.9594

Rectangle

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



72.2281, 77.0969, 89.6716



74.1011, 77.0969, 90.0006



74.3386, 77.0969, 78.4683



72.4616, 77.0969, 78.1681

Sweetspot

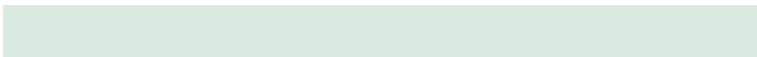
The Sweet Spot groups the original color and five complimentary colors.



72.2303, 77.1002, 89.6733



92.5918, 97.8321, 108.6111



72.4953, 79.9069, 82.7426



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.



72.2303, 77.1002, 89.6733



85.5484, 91.5529, 107.7703



70.1016, 72.8428, 88.9637



15.0159, 16.1182, 19.2419



14.2730, 15.1930, 45.9232



1.2126, 1.3768, 3.6367

Inverse Universe

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



73.7370, 73.9838, 84.5266



87.6773, 87.1852, 100.4904



76.1495, 80.9802, 78.6362



15.4616, 15.2125, 17.7159



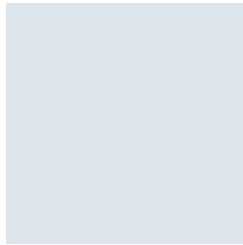
22.0596, 11.0265, 16.6473



1.7786, 0.8844, 1.5514

Previews

White Background



This preview shows how the XYZ color 72.2281, 77.0969, 89.6716 looks on a white background.

Color Contrast Check

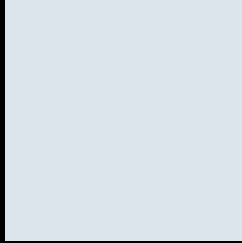
Large Text (above 18pt) WCAG AA × Fail

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 72.2281, 77.0969, 89.6716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

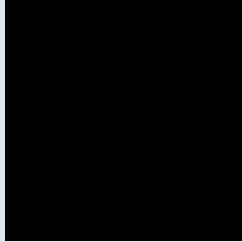
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

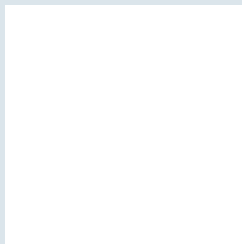
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2281, 77.0969, 89.6716

Background



This preview shows how black text looks on a background with the XYZ color 72.2281, 77.0969, 89.6716.



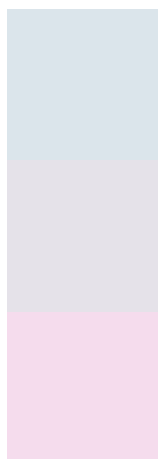
This preview shows how white text looks on a background with the XYZ color 72.2281, 77.0969,

89.6716.

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

72.2281, 77.0969, 89.6716

Protanopia

74.2174, 76.9339, 88.0288

Deuteranopia

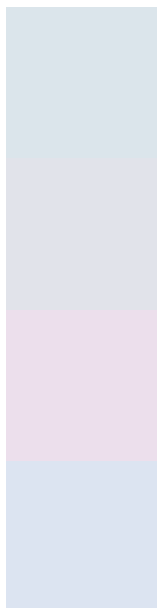
78.5354, 76.7133, 90.7886



Tritanopia

73.7693, 76.9029, 97.3419

Trichromacy



Original Color

72.2281, 77.0969, 89.6716

Protanomaly

73.3717, 76.8862, 88.8153

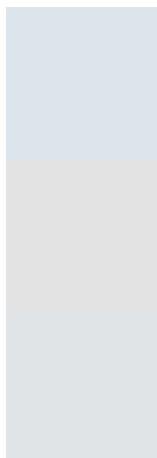
Deuteranomaly

76.1201, 76.6643, 90.1426

Tritanomaly

73.1358, 77.0533, 94.2372

Monochromacy



Original Color

72.2281, 77.0969, 89.6716

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.7668, 77.0473, 85.8993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2281, 77.0969, 89.6716 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(219, 229, 235) looks like.

```
.text, #text, p{  
    color:rgb(219, 229, 235)  
}
```

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(219, 229, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 229, 235) }
```

Border

The CSS property to change the border of an element to XYZ 72.2281, 77.0969, 89.6716 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(219, 229, 235) }
```


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

```
.border{ border-color:rgb(219, 229, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 229, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 229, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 229, 235);  
box-shadow:4px 4px 4px 4px rgb(219, 229,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2281, 77.0969, 89.6716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 229, 235) }
```

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

```
.background{ background-color: rgb(219,  
229, 235) }
```

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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