

Converting Colors

XYZ(72.4270, 77.4399, 89.7302)

Have a look what the booklet for
XYZ(72.4270, 77.4399, 89.7302)
contains.

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Color

**XYZ(72.5056, 77.6519,
89.7641)**

Conversions

Conversions Part 1

Format	Color
Hex	DBE6EB
RGB	219, 230, 235
RGB Percent	86%, 90%, 92%
CMY	0.1412, 0.0980, 0.0784
CMYK	0.07, 0.02, 0.00, 0.08
HSL	199°, 29%, 89%
HSV	199°, 7%, 92%
XYZ	72.5056, 77.6519, 89.7641
YIQ	227.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

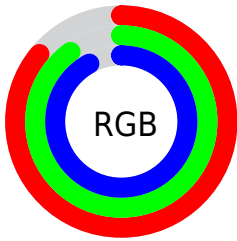
Format	Color
R _Y B	219, 226, 235
Decimal	14411499
CIE Lab	90.62, -2.71, -3.70
CIE LCh	91, 4.592, 233.761
Yxy	77.6519, 0.3022, 0.3237
Android (android.graphics.Color)	4292601579 (0xFFDBE6EB)
YUV	227.2810, 3.8055, -7.2624
Hunter-Lab	88.1203, -7.3403, 1.2882

Details

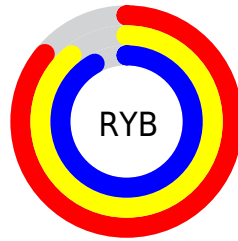
The XYZ color **72.5056, 77.6519, 89.7641** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.7029, 76.0871, 77.8207**, and the grayscale version is **73.1974, 77.0094, 83.8632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7765, 41.8071, 48.6737** is the 20% darker color. If you saturate the color by 10%, you get **63.9299, 70.2649, 88.7915**, and if you desaturate by 10%, it is **82.1698, 85.7319, 90.8155**.

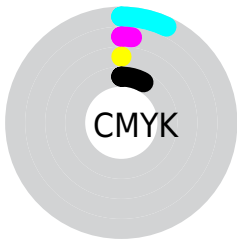
Distribution



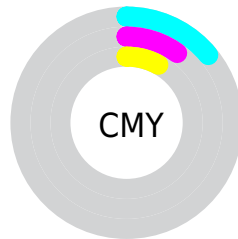
- Red (86%)
- Green (90%)
- Blue (92%)



- Red (86%)
- Yellow (89%)
- Blue (92%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5056, 77.6519, 89.7641 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 72.5056, 77.6519, 89.7641 by changing the saturation by 10% instead.

■ 72.5056, 77.6519,
89.7641

■ 72.5056, 77.6519,
89.7641

458.4299,
486.9838, 547.8135

■ 53.8587, 57.7881,
67.2124

121.7820,
130.0593, 148.9433

■ 38.7190, 41.6383,
48.7946

153.1423,
163.3716, 186.4079

■ 26.7209, 28.8182,
34.0921

189.4710,
201.9356, 229.6806

■ 17.4992, 18.9433,
22.6864

231.1336,
246.1356, 279.1798

■ 10.6886, 11.6293,
14.1590

278.4955,
296.3561, 335.3242

■ 5.9236, 6.4918,
8.0913

331.9219,

■ 2.8389, 3.1464,

352.9813, 398.5322

4.0648

391.7782,
416.3958, 469.2225

■ 1.0691, 1.2086,
1.6610

■ 0.0000, 0.0687,
0.3338

■ 72.5056, 77.6519,
89.7641

■ 72.5056, 77.6519,
89.7641

■ 63.9299, 70.2649,
88.7915

■ 82.1698, 85.7319,
90.8155

■ 56.3934, 63.5376,
87.8902

■ 88.7919, 92.3707,
91.7479

■ 49.8528, 57.4482,
87.0595

■ 91.0523, 96.8917,
92.5014

■ 44.2589, 51.9697,
86.2969

■ 91.9956, 98.7782,
92.8159

■ 39.5582, 47.0730,
85.5995

■ 35.6914, 42.7257,
84.9642

■ 32.5915, 38.8916,
84.3875

■ 30.1803, 35.5287,
83.8655

■ 28.3580, 32.5837,
83.3931

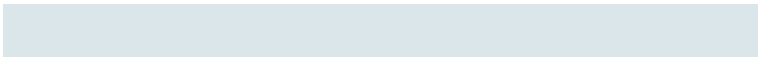
Harmonies

Analogous

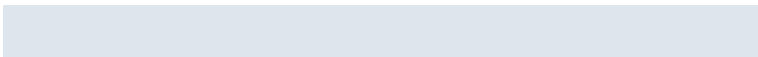
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7993, 77.6519, 87.1286



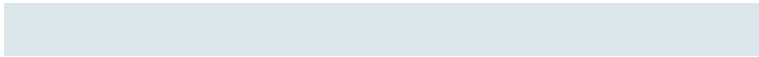
72.5056, 77.6519, 89.7641



73.5656, 77.6519, 91.0063

Triad

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



72.5056, 77.6519, 89.7641



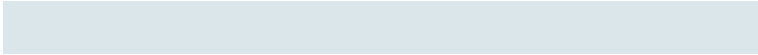
76.0271, 77.6519, 85.2402



72.9179, 77.6519, 78.8820

Complementary

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



72.5056, 77.6519, 89.7641



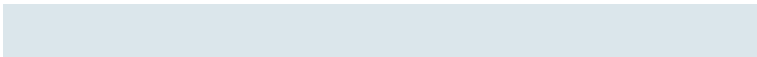
73.7029, 76.0871, 77.8207

Split Complementary

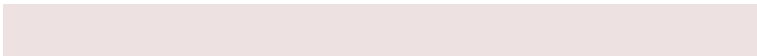
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0465, 77.6519, 78.4060



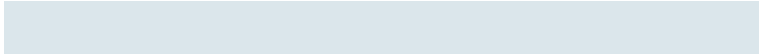
72.5056, 77.6519, 89.7641



75.8493, 77.6519, 82.0222

Square

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



72.5056, 77.6519, 89.7641



75.6047, 77.6519, 88.3511



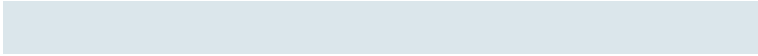
75.1215, 77.6519, 79.5413



72.0356, 77.6519, 80.8590

Rectangle

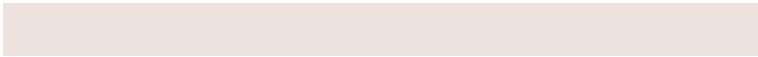
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



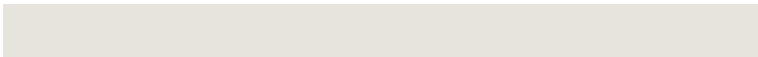
72.5056, 77.6519, 89.7641



74.3334, 77.6519, 90.8548



75.1215, 77.6519, 79.5413



73.2807, 77.6519, 78.5433

Sweetspot

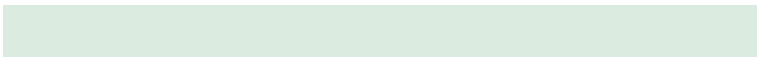
The Sweet Spot groups the original color and five complimentary colors.



72.5078, 77.6552, 89.7658



92.6926, 98.0336, 108.6447



72.3503, 79.8489, 81.9791



19.8648, 21.0039, 23.2571



0.0000, 0.0000, 0.0000



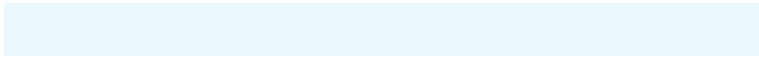
20.3446, 21.4041, 23.3091

Same Dimension

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



72.5078, 77.6552, 89.7658



85.9404, 92.3369, 107.9010



70.3844, 73.4083, 89.0580



15.0979, 16.2822, 19.2693



15.6180, 17.8829, 46.3716



1.3116, 1.5746, 3.6697

Inverse Universe

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



73.8771, 74.0398, 85.2642



87.8751, 87.2643, 101.5323



75.8486, 80.3786, 78.5359



15.5030, 15.2290, 17.9339



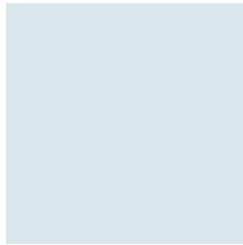
22.7385, 11.2981, 20.2222



1.8285, 0.9044, 1.8144

Previews

White Background



This preview shows how the XYZ color 72.5056, 77.6519, 89.7641 looks on a white background.

Color Contrast Check

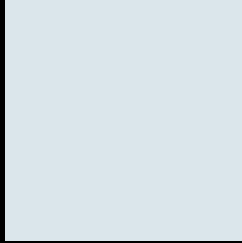
Large Text (above 18pt) WCAG AA × Fail

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 72.5056, 77.6519, 89.7641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

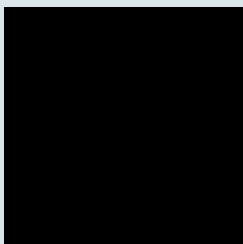
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

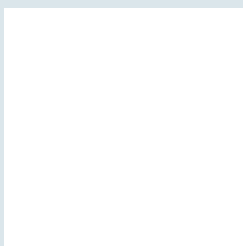
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5056, 77.6519, 89.7641

Background



This preview shows how black text looks on a background with the XYZ color 72.5056, 77.6519, 89.7641.

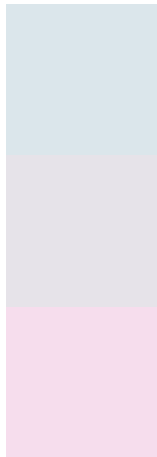


This preview shows how white text looks on a background with the XYZ color 72.5056, 77.6519,

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

72.5056, 77.6519, 89.7641

Protanopia

74.8102, 77.6444, 88.1347

Deuteranopia

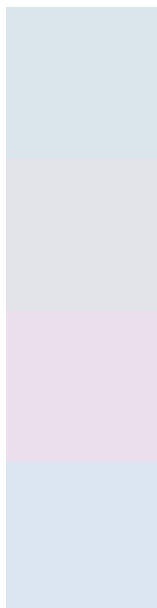
79.1485, 77.4202, 90.8928



Tritanopia

74.1967, 77.5128, 98.2397

Trichromacy



Original Color

72.5056, 77.6519, 89.7641

Protanomaly

73.9587, 77.5961, 88.9214

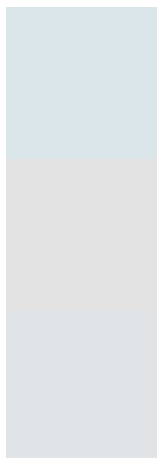
Deuteranomaly

76.3880, 77.2003, 90.2319

Tritanomaly

73.5615, 77.6651, 95.1182

Monochromacy



Original Color

72.5056, 77.6519, 89.7641

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 72.5056, 77.6519, 89.7641 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, 230, 235) looks like.

```
.text, #text, p{  
    color:rgb(219, 230, 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, 230, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 230, 235) }
```

Border

The CSS property to change the border of an element to XYZ 72.5056, 77.6519, 89.7641 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, 230, 235) }
```


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

```
.border{ border-color:rgb(219, 230, 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, 230, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 230, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 230, 235);  
box-shadow:4px 4px 4px 4px rgb(219, 230,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5056, 77.6519, 89.7641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 230, 235) }
```

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

```
.background{ background-color: rgb(219,  
230, 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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