

Converting Colors

XYZ(76.2011, 78.1299, 85.6233)

Have a look what the booklet for
XYZ(76.2011, 78.1299, 85.6233)
contains.

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Color

**XYZ(76.0714, 77.9388,
85.8972)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE2E6
RGB	236, 226, 230
RGB Percent	93%, 89%, 90%
CMY	0.0745, 0.1137, 0.0980
CMYK	0.00, 0.04, 0.03, 0.07
HSL	336°, 21%, 91%
HSV	336°, 4%, 93%
XYZ	76.0714, 77.9388, 85.8972
YIQ	229.4460, 4.6760, 3.3640

Conversions

Conversions Part 2

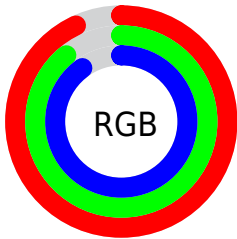
Format	Color
R_{YB}	236, 226, 230
Decimal	15524582
CIE _{Lab}	90.75, 4.09, -0.75
CIE _{LCh}	91, 4.157, 349.672
Yxy	77.9388, 0.3171, 0.3249
Android (android.graphics.Color)	4293714662 (0xFFECE2E6)
YUV	229.4460, 0.2731, 5.7479
Hunter-Lab	88.2830, -0.6858, 4.1103

Details

The XYZ color **76.0714, 77.9388, 85.8972** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.9280, 81.9880, 88.1715**, and the grayscale version is **74.8022, 78.6977, 85.7018**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1232, 41.9243, 46.4822** is the 20% darker color. If you saturate the color by 10%, you get **68.1818, 65.2141, 73.8484**, and if you desaturate by 10%, it is **85.0104, 92.5014, 99.0953**.

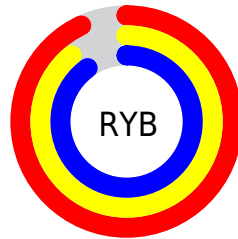
Distribution



Red (93%)

Green (89%)

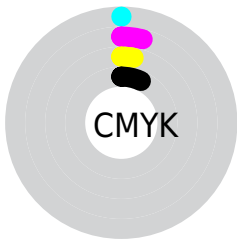
Blue (90%)



Red (93%)

Yellow (89%)

Blue (90%)

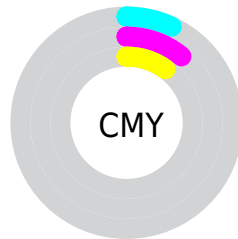


Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (7%)



Cyan (7%)

Magenta (11%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0714, 77.9388, 85.8972 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 76.0714, 77.9388, 85.8972 by changing the saturation by 10% instead.

76.0714, 77.9388,
85.8972

76.0714, 77.9388,
85.8972

470.5327,
487.9590, 534.8140

56.7883, 58.0237,
64.0286

126.8076,
130.4638, 143.5113

41.0748, 41.8277,
46.2275

158.9915,
163.8426, 180.0938

28.5655, 28.9664,
32.0754

196.2064,
202.4780, 222.4181

18.8950, 19.0554,
21.1538

238.8176,
246.7545, 270.9026

11.6980, 11.7103,
13.0441

287.1904,
297.0564, 325.9659

6.6091, 6.5467,
7.3279

341.6903,

3.2630, 3.1803,

353.7682, 388.0265

3.5864

402.6826,
417.2743, 457.5031

■ 1.2943, 1.2266,
1.4013

■ 0.1790, 0.0832,
0.1427

■ 76.0714, 77.9388,
85.8972

■ 76.0714, 77.9388,
85.8972

■ 68.1818, 65.2141,
73.8484

■ 85.0104, 92.5014,
99.0953

■ 61.2953, 54.2440,
62.9119

■ 88.4026, 96.5731,
108.5889

■ 55.3718, 44.9537,
53.0556

■ 50.3660, 37.2590,
44.2440

■ 46.2286, 31.0685,
36.4396

■ 42.9057, 26.2813,
29.6021

■ 40.3368, 22.7842,
23.6879

■ 38.4523, 20.4457,
18.6493

■ 37.1679, 19.1061,
14.4319

Harmonies

Analogous

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



75.6197, 77.9388, 88.6381



76.0714, 77.9388, 85.8972



75.9853, 77.9388, 82.9410

Triad

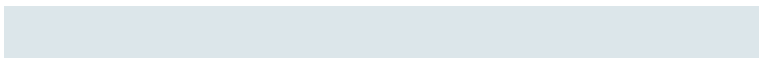
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0714, 77.9388, 85.8972



73.4046, 77.9388, 79.5618



72.7867, 77.9388, 89.3218

Complementary

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



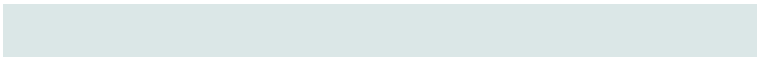
76.0714, 77.9388, 85.8972



75.9280, 81.9880, 88.1715

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.



72.2039, 77.9388, 86.8126



76.0714, 77.9388, 85.8972



72.5583, 77.9388, 81.1949

Square

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



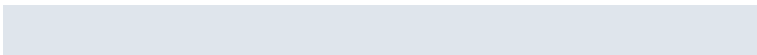
76.0714, 77.9388, 85.8972



74.4390, 77.9388, 79.3298



72.1207, 77.9388, 83.8354



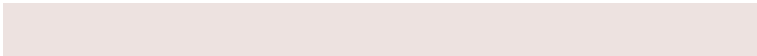
73.7191, 77.9388, 90.6459

Rectangle

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



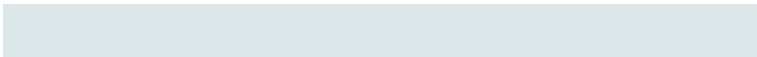
76.0714, 77.9388, 85.8972



75.6347, 77.9388, 81.2438



72.1207, 77.9388, 83.8354



72.5438, 77.9388, 88.5862

Sweetspot

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



76.0736, 77.9422, 85.8989



93.9964, 98.2856, 107.3379



75.6182, 77.6083, 90.3524



20.1302, 21.0552, 22.9912



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

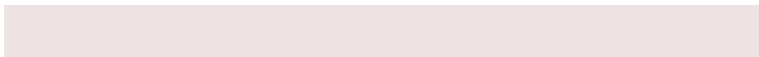
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0736, 77.9422, 85.8989



89.9087, 91.6500, 101.2281



75.7913, 78.2655, 83.0677



15.9656, 16.2052, 17.9315



20.2498, 10.3026, 7.1167



1.6364, 0.8275, 0.8029

Inverse Universe

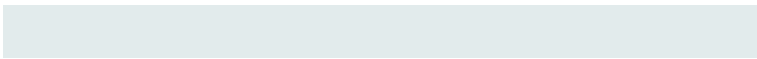
The Inverse Universe completely reimagines the original color for something new.



76.0736, 77.9422, 85.8989



89.9087, 91.6500, 101.2281



76.2152, 81.6436, 91.0999



15.9656, 16.2052, 17.9315



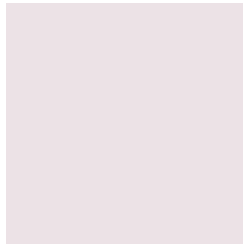
20.2498, 10.3026, 7.1167



1.6364, 0.8275, 0.8029

Previews

White Background



This preview shows how the XYZ color 76.0714, 77.9388, 85.8972 looks on a white background.

Color Contrast Check

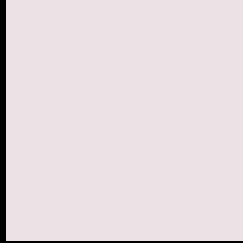
Large Text (above 18pt) WCAG AA × Fail

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 76.0714, 77.9388, 85.8972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

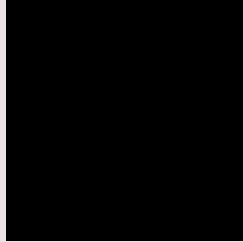
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

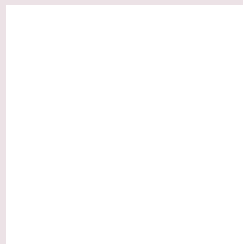
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.0714, 77.9388, 85.8972

Background



This preview shows how black text looks on a background with the XYZ color 76.0714, 77.9388, 85.8972.



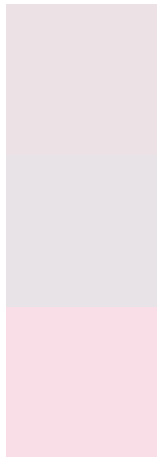
This preview shows how white text looks on a background with the XYZ color 76.0714, 77.9388,

85.8972.

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

76.0714, 77.9388, 85.8972

Protanopia

75.1716, 77.8635, 86.6685

Deuteranopia

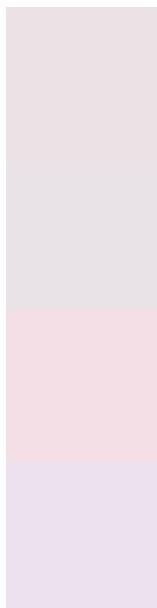
79.3472, 77.6222, 86.4018



Tritanopia

77.9426, 77.8993, 94.9324

Trichromacy



Original Color

76.0714, 77.9388, 85.8972

Protanomaly

75.4972, 78.0313, 86.6837

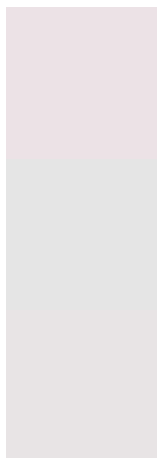
Deuteranomaly

78.1197, 77.7780, 86.4966

Tritanomaly

77.2829, 78.0280, 91.8766

Monochromacy



Original Color

76.0714, 77.9388, 85.8972

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

75.1650, 78.2998, 85.2805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0714, 77.9388, 85.8972 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(236, 226, 230) looks like.

```
.text, #text, p{  
    color:rgb(236, 226, 230)  
}
```

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(236, 226, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 226, 230) }
```

Border

The CSS property to change the border of an element to XYZ 76.0714, 77.9388, 85.8972 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(236, 226, 230) }
```


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

```
.border{ border-color:rgb(236, 226, 230) }
```

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

Here you see how a box with a 4 pixel rgb(236, 226, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 226, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 226, 230);  
box-shadow:4px 4px 4px 4px rgb(236, 226,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0714, 77.9388, 85.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 226, 230) }
```

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

```
.background{ background-color: rgb(236,  
226, 230) }
```

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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