

Converting Colors

XYZ(68.5368, 73.8619, 78.4597)

Have a look what the booklet for
XYZ(68.5368, 73.8619, 78.4597)
contains.

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Color

**XYZ(68.4588, 73.7694,
78.3409)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E1DC
RGB	217, 225, 220
RGB Percent	85%, 88%, 86%
CMY	0.1490, 0.1176, 0.1372
CMYK	0.04, 0.00, 0.02, 0.12
HSL	142°, 12%, 87%
HSV	142°, 4%, 88%
XYZ	68.4588, 73.7694, 78.3409
YIQ	222.0380, -3.1630, -3.2510

Conversions

Conversions Part 2

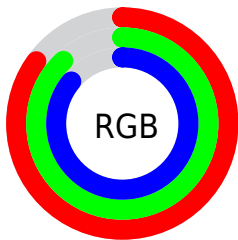
Format	Color
R _Y B	217, 223, 225
Decimal	14279132
CIE Lab	88.81, -3.59, 1.50
CIE LCh	89, 3.887, 157.328
Yxy	73.7694, 0.3104, 0.3345
Android (android.graphics.Color)	4292469212 (0xFFD9E1DC)
YUV	222.0380, -1.0047, -4.4183
Hunter-Lab	85.8891, -8.0307, 6.0430

Details

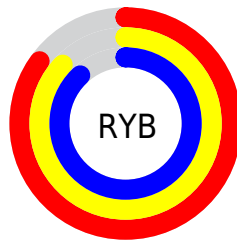
The XYZ color **68.4588, 73.7694, 78.3409** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.0518, 70.9092, 79.1584**, and the grayscale version is **69.4682, 73.0860, 79.5906**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0665, 39.1474, 41.2526** is the 20% darker color. If you saturate the color by 10%, you get **60.4363, 69.8420, 68.6465**, and if you desaturate by 10%, it is **77.5542, 78.2359, 88.9070**.

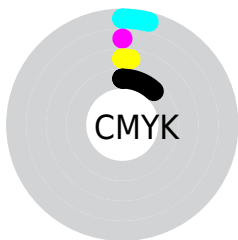
Distribution



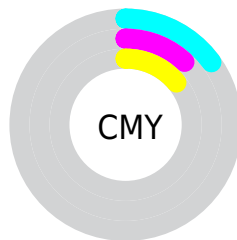
- Red (85%)
- Green (88%)
- Blue (86%)



- Red (85%)
- Yellow (87%)
- Blue (88%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)



- Cyan (15%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4588, 73.7694, 78.3409 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 68.4588, 73.7694, 78.3409 by changing the saturation by 10% instead.

■ 68.4588, 73.7694,
78.3409

■ 68.4588, 73.7694,
78.3409

444.4711,
473.6771, 508.8824

■ 50.5461, 54.6053,
57.8359

116.0466,
124.5689, 132.8208

■ 36.0671, 39.0858,
41.2629

146.4523,
156.9730, 167.6329

■ 24.6564, 26.8265,
28.2034

181.7532,
194.5594, 208.0510

■ 15.9486, 17.4430,
18.2386

222.3145,
237.7122, 254.4938

■ 9.5784, 10.5508,
10.9502

268.5016,
286.8161, 307.3798

■ 5.1804, 5.7657,
5.9196

320.6798,

■ 2.3894, 2.7031,

342.2552, 367.1275

2.7283

379.2145,
404.4141, 434.1555

■ 0.8398, 0.9788,
0.9576

■ 0.0000, 0.0000,
0.0000

■ 68.4588, 73.7694,
78.3409

■ 68.4588, 73.7694,
78.3409

■ 60.4363, 69.8420,
68.6465

■ 77.5542, 78.2359,
88.9070

■ 53.4398, 66.4238,
59.7970

■ 85.1309, 81.8989,
100.2382

■ 47.4284, 63.4963,
51.7711

■ 86.2166, 82.3332,
105.9555

■ 42.3558, 61.0359,
44.5449

■ 38.1719, 59.0175,
38.0936

■ 34.8217, 57.4132,
32.3905

■ 32.2439, 56.1919,
27.4079

■ 30.3679, 55.3178,
23.1159

■ 29.1090, 54.7480,
19.4822

Harmonies

Analogous

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



69.0238, 73.7694, 76.2707



68.4588, 73.7694, 78.3409



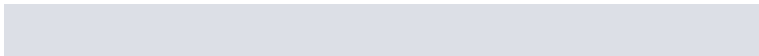
68.3358, 73.7694, 80.9853

Triad

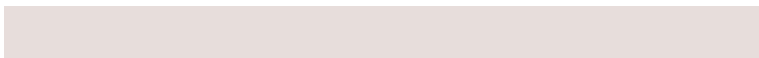
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4588, 73.7694, 78.3409



70.3467, 73.7694, 85.5738



71.5646, 73.7694, 77.2201

Complementary

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



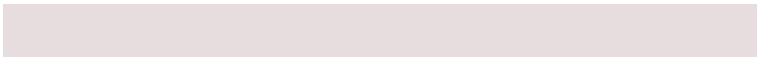
68.4588, 73.7694, 78.3409



69.0518, 70.9092, 79.1584

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.



71.9261, 73.7694, 79.6630



68.4588, 73.7694, 78.3409



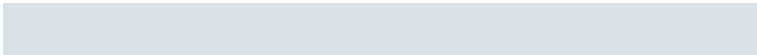
71.2188, 73.7694, 84.5149

Square

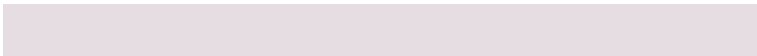
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



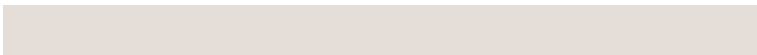
68.4588, 73.7694, 78.3409



69.4203, 73.7694, 85.2007



71.7989, 73.7694, 82.3369



70.8155, 73.7694, 75.6338

Rectangle

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



68.4588, 73.7694, 78.3409



68.5200, 73.7694, 82.7255



71.7989, 73.7694, 82.3369



71.7358, 73.7694, 77.9662

Sweetspot

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



68.4609, 73.7726, 78.3425



93.8624, 99.4173, 107.5102



69.5970, 74.4038, 76.3401



20.1029, 21.2855, 23.0263



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.



68.4609, 73.7726, 78.3425



90.3866, 97.7126, 103.4112



68.9885, 73.9836, 81.1211



14.5743, 15.8305, 16.6689



16.4974, 31.4238, 10.3424



1.1859, 2.1951, 0.9403

Inverse Universe

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



69.0518, 70.9092, 79.1584



91.2724, 93.4201, 104.6343



68.5302, 70.7006, 76.4116



14.7424, 15.0159, 16.9010



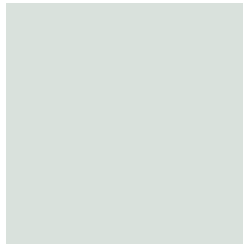
20.7077, 10.3501, 15.6583



1.4783, 0.7346, 1.3117

Previews

White Background



This preview shows how the XYZ color 68.4588, 73.7694, 78.3409 looks on a white background.

Color Contrast Check

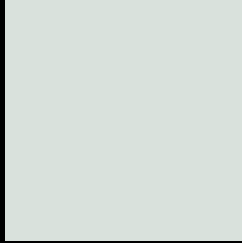
Large Text (above 18pt) WCAG AA × Fail

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 68.4588, 73.7694, 78.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

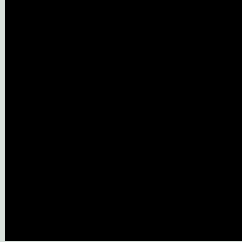
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

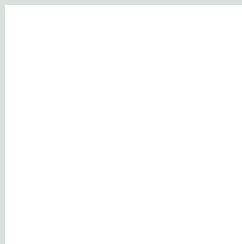
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4588, 73.7694, 78.3409

Background



This preview shows how black text looks on a background with the XYZ color 68.4588, 73.7694, 78.3409.



This preview shows how white text looks on a background with the XYZ color 68.4588, 73.7694,

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

68.4588, 73.7694, 78.3409

Protanopia

70.7711, 73.7985, 76.8442

Deuteranopia

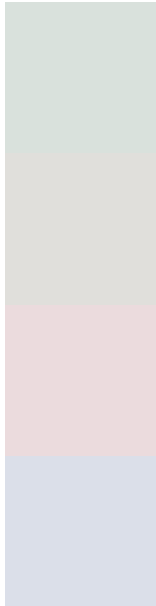
75.3969, 73.7981, 79.3779



Tritanopia

71.3647, 73.7495, 92.9118

Trichromacy



Original Color

68.4588, 73.7694, 78.3409

Protanomaly

69.9143, 73.7371, 77.5656

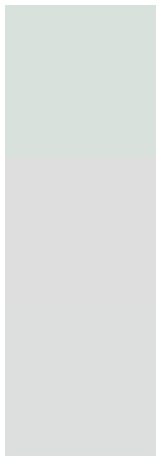
Deuteranomaly

72.6436, 73.5457, 78.7736

Tritanomaly

70.3091, 73.7186, 87.6142

Monochromacy



Original Color

68.4588, 73.7694, 78.3409

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.9540, 73.2115, 78.9036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4588, 73.7694, 78.3409 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(217, 225, 220) looks like.

```
.text, #text, p{  
    color:rgb(217, 225, 220)  
}
```

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(217, 225, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 225, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.4588, 73.7694, 78.3409 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(217, 225, 220) }
```


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

```
.border{ border-color:rgb(217, 225, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 225, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 225, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 225, 220);  
box-shadow:4px 4px 4px 4px rgb(217, 225,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4588, 73.7694, 78.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 225, 220) }
```

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

```
.background{ background-color: rgb(217,  
225, 220) }
```

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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