

Converting Colors

XYZ(68.8259, 73.5075, 80.6586)

Have a look what the booklet for
XYZ(68.8259, 73.5075, 80.6586)
contains.

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Color

**XYZ(68.8884, 73.5444,
80.3767)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE0DF
RGB	218, 224, 223
RGB Percent	85%, 88%, 87%
CMY	0.1451, 0.1215, 0.1255
CMYK	0.03, 0.00, 0.00, 0.12
HSL	170°, 9%, 87%
HSV	170°, 3%, 88%
XYZ	68.8884, 73.5444, 80.3767
YIQ	222.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

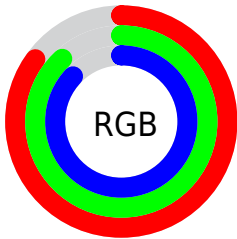
Format	Color
R _Y B	218, 221, 224
Decimal	14344415
CIE Lab	88.71, -2.19, -0.22
CIE LCh	89, 2.203, 185.854
Yxy	73.5444, 0.3092, 0.3301
Android (android.graphics.Color)	4292534495 (0xFFDAE0DF)
YUV	222.0920, 0.4476, -3.5887
Hunter-Lab	85.7580, -6.6896, 4.4611

Details

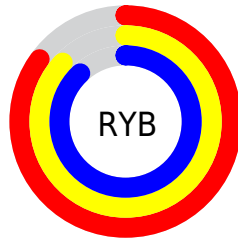
The XYZ color **68.8884, 73.5444, 80.3767** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.6008, 71.1066, 77.1308**, and the grayscale version is **69.4965, 73.1157, 79.6230**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3601, 38.9896, 42.6552** is the 20% darker color. If you saturate the color by 10%, you get **62.1384, 70.1244, 77.4557**, and if you desaturate by 10%, it is **76.5590, 77.4418, 83.4021**.

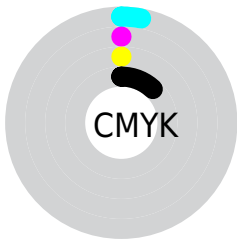
Distribution



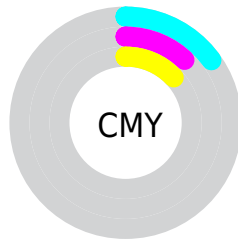
- Red (85%)
- Green (88%)
- Blue (87%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (15%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8884, 73.5444, 80.3767 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 68.8884, 73.5444, 80.3767 by changing the saturation by 10% instead.

■ 68.8884, 73.5444,
80.3767

■ 68.8884, 73.5444,
80.3767

445.9648,
472.8994, 515.9416

■ 50.8971, 54.4212,
59.5004

116.6571,
124.2498, 135.7114

■ 36.3475, 38.9385,
42.5934

147.1653,
156.6007, 171.0069

■ 24.8740, 26.7119,
29.2372

182.5764,
194.1297, 211.9458

■ 16.1114, 17.3570,
19.0132

223.2559,
237.2212, 258.9468

■ 9.6944, 10.4893,
11.5029

269.5692,
286.2595, 312.4283

■ 5.2575, 5.7246,
6.2878

321.8815,

■ 2.4354, 2.6783,

341.6291, 372.8090

2.9492

380.5583,
403.7142, 440.5072

■ 0.8628, 0.9662,
1.0688

■ 0.0000, 0.0000,
0.0000

■ 68.8884, 73.5444,
80.3767

■ 68.8884, 73.5444,
80.3767

■ 62.1384, 70.1244,
77.4557

■ 76.5590, 77.4418,
83.4021

■ 56.2667, 67.1539,
74.6322

■ 82.2490, 80.3148,
86.3920


■ 51.2369, 64.6160,
71.9056


■ 82.7821, 80.5281,
89.1996


■ 47.0074, 62.4895,
69.2736

■ 83.3267, 80.7459,
92.0671


 43.5333, 60.7512,
66.7339


 83.8827, 80.9683,
94.9949

 40.7652, 59.3755,
64.2835


 84.4502, 81.1953,
97.9833


 38.6477, 58.3340,
61.9196

 85.0292, 81.4269,
101.0327

 37.1167, 57.5937,
59.6388

 85.6200, 81.6632,
104.1435

 36.0955, 57.1149,
57.4371

 85.9470, 81.7940,
105.8657

Harmonies

Analogous

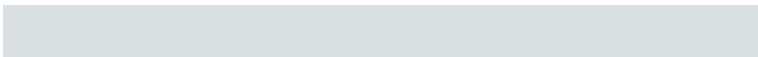
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9718, 73.5444, 78.8841



68.8884, 73.5444, 80.3767



69.0754, 73.5444, 81.8067

Triad

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



68.8884, 73.5444, 80.3767



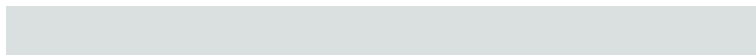
70.5030, 73.5444, 82.4770



70.3213, 73.5444, 77.4320

Complementary

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



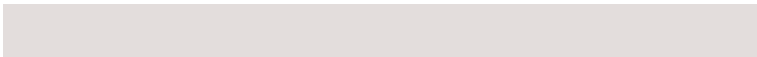
68.8884, 73.5444, 80.3767



68.6008, 71.1066, 77.1308

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.



70.7347, 73.5444, 78.3725



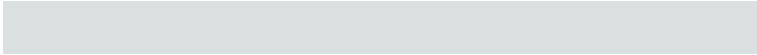
68.8884, 73.5444, 80.3767



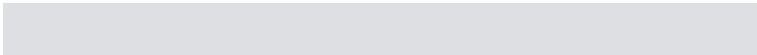
70.8400, 73.5444, 81.2826

Square

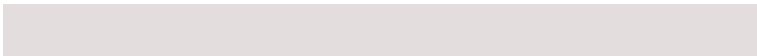
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



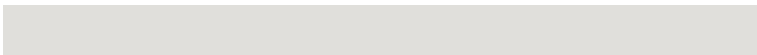
68.8884, 73.5444, 80.3767



70.0062, 73.5444, 83.0292



70.9250, 73.5444, 79.7787



69.7974, 73.5444, 77.1963

Rectangle

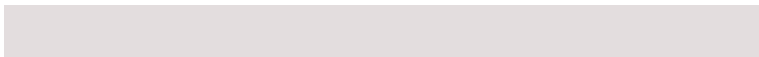
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8884, 73.5444, 80.3767



69.3288, 73.5444, 82.5281



70.9250, 73.5444, 79.7787



70.4779, 73.5444, 77.6756

Sweetspot

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



68.8905, 73.5475, 80.3783



94.0495, 99.4921, 108.4953



68.5564, 73.4520, 76.8952



20.1410, 21.3008, 23.2267



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.



68.8905, 73.5475, 80.3783



92.0861, 98.4958, 107.6901



68.5181, 72.5856, 80.9238



14.8597, 15.9603, 17.4665



20.7458, 33.1232, 32.7138



1.4645, 2.3065, 2.4069

Inverse Universe

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



68.6008, 71.1066, 77.1308



91.6489, 94.8122, 102.7895



68.9649, 72.0456, 76.6022



14.7713, 15.2149, 16.4749



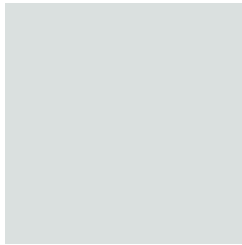
18.1201, 9.3150, 2.0323



1.2846, 0.6571, 0.2917

Previews

White Background



This preview shows how the XYZ color 68.8884, 73.5444, 80.3767 looks on a white background.

Color Contrast Check

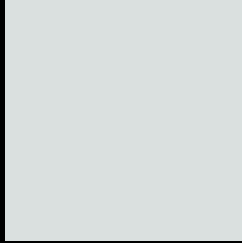
Large Text (above 18pt) WCAG AA × Fail

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 68.8884, 73.5444, 80.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

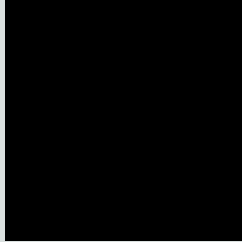
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

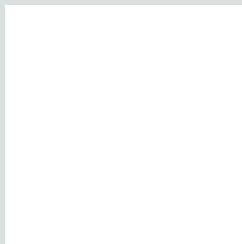
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8884, 73.5444, 80.3767

Background



This preview shows how black text looks on a background with the XYZ color 68.8884, 73.5444, 80.3767.

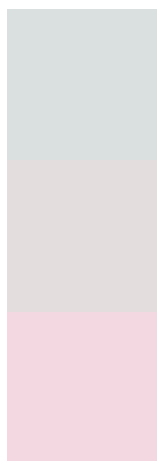


This preview shows how white text looks on a background with the XYZ color 68.8884, 73.5444,

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

68.8884, 73.5444, 80.3767

Protanopia

70.7198, 73.3177, 79.5316

Deuteranopia

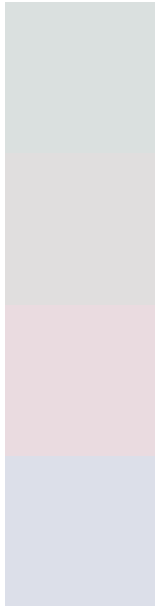
75.1086, 73.6027, 81.4822



Tritanopia

71.5201, 73.8467, 92.1457

Trichromacy



Original Color

68.8884, 73.5444, 80.3767

Protanomaly

70.0466, 73.3638, 79.5760

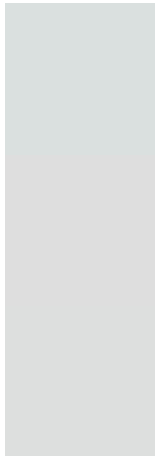
Deuteranomaly

72.7177, 73.5373, 80.8825

Tritanomaly

70.6109, 73.8742, 87.6283

Monochromacy



Original Color

68.8884, 73.5444, 80.3767

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.3913, 73.4214, 79.6217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8884, 73.5444, 80.3767 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, 224, 223) looks like.

```
.text, #text, p{  
    color:rgb(218, 224, 223)  
}
```

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, 224, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 224, 223) }
```

Border

The CSS property to change the border of an element to XYZ 68.8884, 73.5444, 80.3767 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, 224, 223) }
```


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

```
.border{ border-color:rgb(218, 224, 223) }
```

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

Here you see how a box with a 4 pixel rgb(218, 224, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 224, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 224, 223);  
box-shadow:4px 4px 4px 4px rgb(218, 224,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8884, 73.5444, 80.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 224, 223) }
```

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

```
.background{ background-color: rgb(218,  
224, 223) }
```

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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