

Converting Colors

XYZ(68.8883, 75.9335, 82.9773)

Have a look what the booklet for
XYZ(68.8883, 75.9335, 82.9773)
contains.

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Color

**XYZ(68.8883, 75.9335,
82.9773)**

Conversions

Conversions Part 1

Format	Color
Hex	D3E6E2
RGB	211, 230, 226
RGB Percent	83%, 90%, 89%
CMY	0.1725, 0.0980, 0.1137
CMYK	0.08, 0.00, 0.02, 0.10
HSL	167°, 28%, 86%
HSV	167°, 8%, 90%
XYZ	68.8883, 75.9335, 82.9773
YIQ	223.8630, -10.0400, -5.2720

Conversions

Conversions Part 2

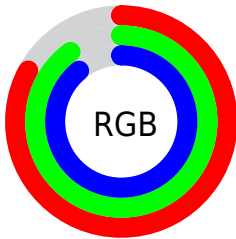
Format	Color
R _Y B	211, 222, 230
Decimal	13887202
CIE Lab	89.83, -7.03, -0.22
CIE LCh	90, 7.030, 181.788
Yxy	75.9335, 0.3024, 0.3333
Android (android.graphics.Color)	4292077282 (0xFFD3E6E2)
YUV	223.8630, 1.0535, -11.2809
Hunter-Lab	87.1398, -11.3817, 4.5401

Details

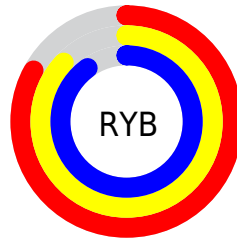
The XYZ color **68.8883, 75.9335, 82.9773** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.1960, 68.3199, 73.8864**, and the grayscale version is **70.7534, 74.4381, 81.0631**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3910, 40.6681, 44.4598** is the 20% darker color. If you saturate the color by 10%, you get **62.1096, 72.5168, 79.2392**, and if you desaturate by 10%, it is **76.6330, 79.8502, 86.8619**.

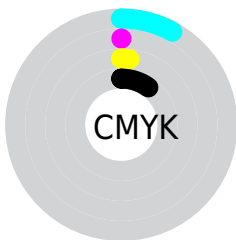
Distribution



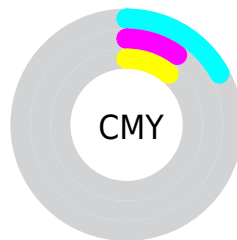
- Red (83%)
- Green (90%)
- Blue (89%)



- Red (83%)
- Yellow (87%)
- Blue (90%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (17%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8883, 75.9335, 82.9773 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 68.8883, 75.9335, 82.9773 by changing the saturation by 10% instead.

■ 68.8883, 75.9335,
82.9773

■ 68.8883, 75.9335,
82.9773

445.9645,
481.1200, 524.8799

■ 50.8971, 56.3780,
61.6309

116.6570,
127.6329, 139.3926

■ 36.3474, 40.5061,
44.3007

147.1651,
160.5456, 175.2986

■ 24.8740, 27.9333,
30.5680

182.5762,
198.6794, 216.8950

■ 16.1114, 18.2754,
20.0144

223.2557,
242.4188, 264.6001

■ 9.6944, 11.1479,
12.2214

269.5689,
292.1482, 318.8326

■ 5.2575, 6.1664,
6.7703

321.8812,

■ 2.4354, 2.9465,

348.2519, 380.0111

3.2426

380.5580,
411.1144, 448.5540

■ 0.8628, 1.1039,
1.2198

■ 0.0000, 0.0000,
0.0000

■ 68.8883, 75.9335,
82.9773

■ 68.8883, 75.9335,
82.9773

■ 62.1096, 72.5168,
79.2392

■ 76.6330, 79.8502,
86.8619

■ 56.2503, 69.5698,
75.6399


■ 84.6340, 83.8947,
90.8558


■ 51.2699, 67.0738,
72.1781


■ 85.3466, 84.1798,
94.6083


■ 47.1219, 65.0048,
68.8511


■ 86.0784, 84.4725,
98.4621


 43.7559, 63.3368,
65.6555


 86.8296, 84.7730,
102.4180

 41.1155, 62.0408,
62.5879

 87.5882, 85.0765,
106.4127

 39.1371, 61.0839,
59.6444

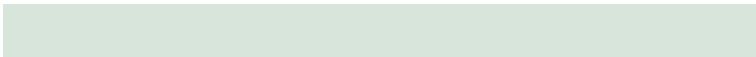
 37.7451, 60.4274,
56.8207

 36.8322, 60.0158,
54.1109

Harmonies

Analogous

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



69.2717, 75.9335, 78.2427



68.8883, 75.9335, 82.9773



69.3731, 75.9335, 87.8159

Triad

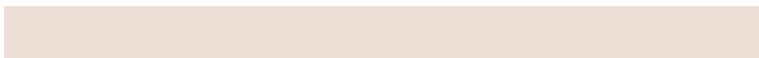
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8883, 75.9335, 82.9773



73.9447, 75.9335, 91.0709



73.7615, 75.9335, 74.5398

Complementary

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



68.8883, 75.9335, 82.9773



68.1960, 68.3199, 73.8864

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.



75.0462, 75.9335, 77.7458



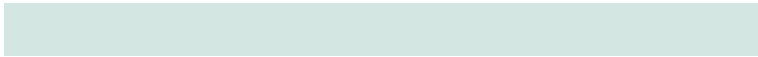
68.8883, 75.9335, 82.9773



75.1532, 75.9335, 87.2792

Square

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



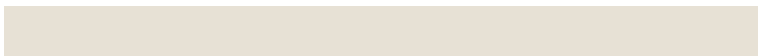
68.8883, 75.9335, 82.9773



72.2767, 75.9335, 92.6034



75.5595, 75.9335, 82.3808



72.0684, 75.9335, 73.4897

Rectangle

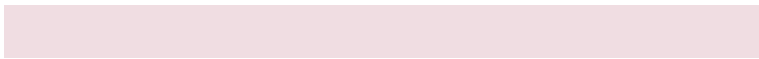
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8883, 75.9335, 82.9773



70.1280, 75.9335, 90.4174



75.5595, 75.9335, 82.3808



74.2564, 75.9335, 75.3946

Sweetspot

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



68.8905, 75.9367, 82.9790



93.0260, 98.9765, 107.9048



68.1157, 75.7649, 72.6633



19.9326, 21.1958, 23.1066



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, 75.9367, 82.9790



85.4299, 95.1392, 103.9978



67.9710, 73.2083, 85.4148



14.6706, 16.2817, 17.7959



20.8199, 33.9601, 30.6157



1.5712, 2.5226, 2.4344

Inverse Universe

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



68.1960, 68.3199, 73.8864



84.3748, 83.5665, 90.1834



69.0478, 70.8370, 71.6630



14.5006, 14.4174, 15.5706



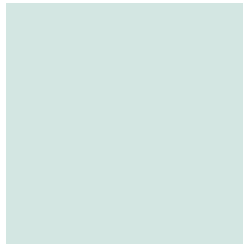
18.8186, 9.6616, 2.6736



1.4242, 0.7274, 0.3742

Previews

White Background



This preview shows how the XYZ color 68.8883, 75.9335, 82.9773 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 68.8883, 75.9335, 82.9773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

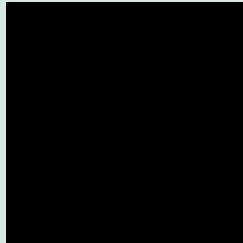
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

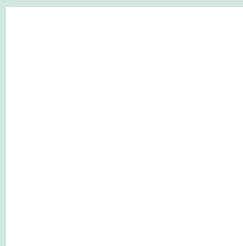
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8883, 75.9335, 82.9773

Background



This preview shows how black text looks on a background with the XYZ color 68.8883, 75.9335, 82.9773.

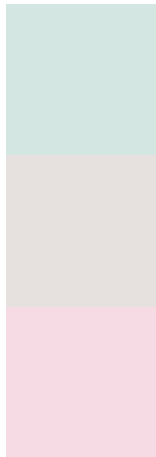


This preview shows how white text looks on a background with the XYZ color 68.8883, 75.9335,

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

68.8883, 75.9335, 82.9773

Protanopia

72.8776, 76.0011, 80.6407

Deuteranopia

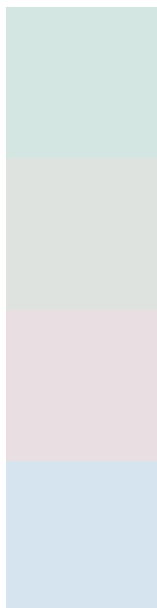
77.3411, 75.8573, 83.9644



Tritanopia

71.6821, 75.8269, 97.2442

Trichromacy



Original Color

68.8883, 75.9335, 82.9773

Protanomaly

71.3551, 76.0080, 81.4312

Deuteranomaly

73.8571, 75.6450, 83.3813

Tritanomaly

70.6166, 75.8060, 91.7990

Monochromacy



Original Color

68.8883, 75.9335, 82.9773

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.0004, 74.8890, 81.9998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8883, 75.9335, 82.9773 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(211, 230, 226) looks like.

```
.text, #text, p{  
    color:rgb(211, 230, 226)  
}
```

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(211, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 230, 226) }
```

Border

The CSS property to change the border of an element to XYZ 68.8883, 75.9335, 82.9773 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(211, 230, 226) }
```


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

```
.border{ border-color:rgb(211, 230, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 230, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 230, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 230, 226);  
box-shadow:4px 4px 4px 4px rgb(211, 230,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8883, 75.9335, 82.9773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 230, 226) }
```

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

```
.background{ background-color: rgb(211,  
230, 226) }
```

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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