

Converting Colors

XYZ(68.7731, 75.8138, 81.5591)

Have a look what the booklet for
XYZ(68.7731, 75.8138, 81.5591)
contains.

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Color

**XYZ(68.9027, 75.9725,
81.5536)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E6E0
RGB	212, 230, 224
RGB Percent	83%, 90%, 88%
CMY	0.1686, 0.0980, 0.1216
CMYK	0.08, 0.00, 0.03, 0.10
HSL	160°, 26%, 87%
HSV	160°, 8%, 90%
XYZ	68.9027, 75.9725, 81.5536
YIQ	223.9340, -8.8020, -5.6820

Conversions

Conversions Part 2

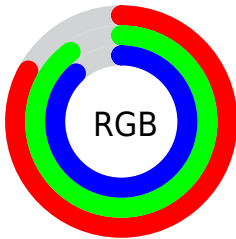
Format	Color
R _Y B	212, 223, 230
Decimal	13952736
CIE Lab	89.85, -7.07, 0.86
CIE LCh	90, 7.126, 173.047
Yxy	75.9725, 0.3043, 0.3355
Android (android.graphics.Color)	4292142816 (0xFFD4E6E0)
YUV	223.9340, 0.0325, -10.4661
Hunter-Lab	87.1622, -11.4276, 5.5387

Details

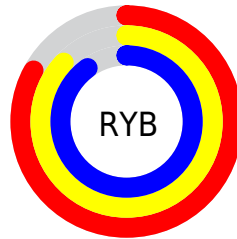
The XYZ color **68.9027, 75.9725, 81.5536** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.8342, 68.9738, 76.0185**, and the grayscale version is **70.8105, 74.4981, 81.1285**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3960, 40.6926, 43.4723** is the 20% darker color. If you saturate the color by 10%, you get **61.7224, 72.3905, 75.9105**, and if you desaturate by 10%, it is **77.0787, 80.0666, 87.4914**.

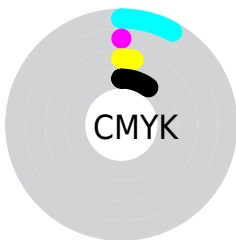
Distribution



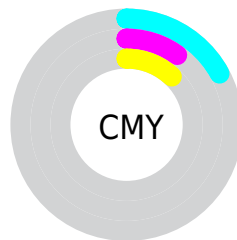
- Red (83%)
- Green (90%)
- Blue (88%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (17%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9027, 75.9725, 81.5536 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 68.9027, 75.9725, 81.5536 by changing the saturation by 10% instead.

■ 68.9027, 75.9725,
81.5536

■ 68.9027, 75.9725,
81.5536

446.0145,
481.2536, 519.9975

■ 50.9088, 56.4100,
60.4640

116.6774,
127.6880, 137.3789

■ 36.3568, 40.5317,
43.3650

147.1890,
160.6098, 172.9516

■ 24.8813, 27.9534,
29.8381

182.6038,
198.7535, 214.1891

■ 16.1169, 18.2905,
19.4647

223.2873,
242.5034, 261.5100

■ 9.6983, 11.1588,
11.8263

269.6047,
292.2439, 315.3327

■ 5.2601, 6.1737,
6.5044

321.9215,

■ 2.4370, 2.9510,

348.3596, 376.0758

3.0805

380.6030,
411.2346, 444.1579

■ 0.8636, 1.1062,
1.1359

■ 0.0000, 0.0000,
0.0000

■ 68.9027, 75.9725,
81.5536

■ 68.9027, 75.9725,
81.5536

■ 61.7224, 72.3905,
75.9105

■ 77.0787, 80.0666,
87.4914

■ 55.4910, 69.2903,
70.5521

■ 85.1687, 84.1087,
93.6717

■ 50.1676, 66.6528,
65.4746

■ 86.3285, 84.5726,
99.7789

■ 45.7056, 64.4542,
60.6727

■ 87.5370, 85.0560,
106.1425

■ 42.0539, 62.6683,
56.1405

■ 87.5883, 85.0765,
106.4128

■ 39.1563, 61.2660,
51.8720

■ 36.9487, 60.2144,
47.8606

■ 35.3560, 59.4749,
44.0991

■ 34.2749, 58.9944,
40.5790

Harmonies

Analogous

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



69.5393, 75.9725, 77.0314



68.9027, 75.9725, 81.5536



69.1406, 75.9725, 86.5730

Triad

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



68.9027, 75.9725, 81.5536



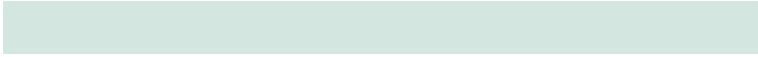
73.5423, 75.9725, 91.9622



74.2628, 75.9725, 75.2165

Complementary

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



68.9027, 75.9725, 81.5536



68.8342, 68.9738, 76.0185

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.



75.3681, 75.9725, 78.9852



68.9027, 75.9725, 81.5536



74.9474, 75.9725, 88.6844

Square

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



68.9027, 75.9725, 81.5536



71.8008, 75.9725, 92.7178



75.6206, 75.9725, 83.8998



72.6200, 75.9725, 73.4701

Rectangle

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



68.9027, 75.9725, 81.5536



69.7650, 75.9725, 89.5136



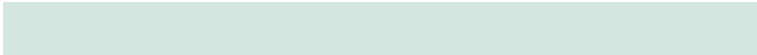
75.6206, 75.9725, 83.8998



74.7106, 75.9725, 76.2813

Sweetspot

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



68.9048, 75.9757, 81.5553



92.9259, 98.9365, 107.3776



69.1862, 76.3022, 73.3697



19.9122, 21.1876, 22.9993



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.



68.9048, 75.9757, 81.5553



85.8971, 95.4210, 102.1675



68.9880, 74.8157, 85.6716



14.5924, 16.2504, 17.3844



19.3484, 33.3715, 22.8670



1.4725, 2.4831, 1.9145

Inverse Universe

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



68.8342, 68.9738, 76.0185



85.7948, 85.2750, 94.1448



68.7433, 70.0267, 72.1817



14.5742, 14.4469, 15.9583



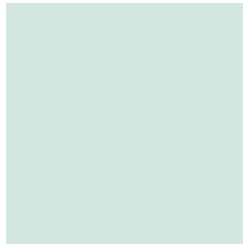
19.2781, 9.8455, 5.0935



1.4665, 0.7443, 0.5970

Previews

White Background



This preview shows how the XYZ color 68.9027, 75.9725, 81.5536 looks on a white background.

Color Contrast Check

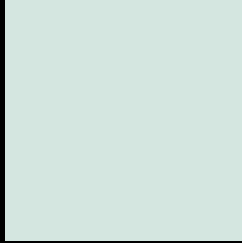
Large Text (above 18pt) WCAG AA × Fail

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 68.9027, 75.9725, 81.5536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

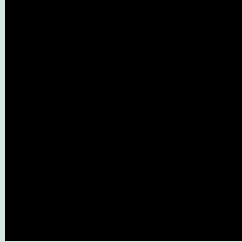
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

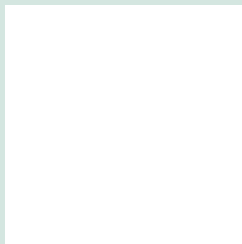
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9027, 75.9725, 81.5536

Background



This preview shows how black text looks on a background with the XYZ color 68.9027, 75.9725, 81.5536.

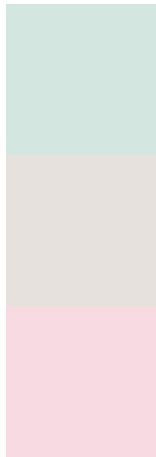


This preview shows how white text looks on a background with the XYZ color 68.9027, 75.9725, 81.5536.

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

68.9027, 75.9725, 81.5536

Protanopia

72.9314, 76.0598, 79.2437

Deuteranopia

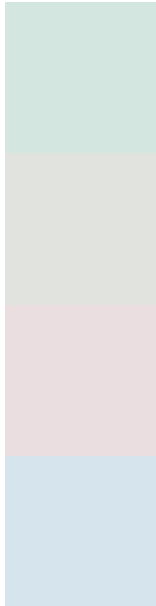
77.1566, 75.4080, 82.4401



Tritanopia

71.9748, 75.9778, 97.2579

Trichromacy



Original Color

68.9027, 75.9725, 81.5536

Protanomaly

71.3944, 76.0594, 80.0253

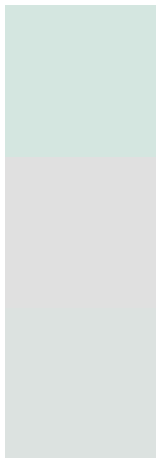
Deuteranomaly

73.6436, 75.1712, 81.8622

Tritanomaly

70.7610, 75.8974, 91.0409

Monochromacy



Original Color

68.9027, 75.9725, 81.5536

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.1661, 74.9902, 81.2974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9027, 75.9725, 81.5536 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(212, 230, 224) looks like.

```
.text, #text, p{  
    color:rgb(212, 230, 224)  
}
```

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(212, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 230, 224) }
```

Border

The CSS property to change the border of an element to XYZ 68.9027, 75.9725, 81.5536 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(212, 230, 224) }
```


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

```
.border{ border-color:rgb(212, 230, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 230, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(212, 230,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9027, 75.9725, 81.5536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 230, 224) }
```

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

```
.background{ background-color: rgb(212,  
230, 224) }
```

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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