

# Converting Colors

XYZ(69.1551, 76.2735, 80.6238)

Have a look what the booklet for  
XYZ(69.1551, 76.2735, 80.6238)  
contains.

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# Color

**XYZ(69.0567, 76.0675,  
80.8549)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5E6DF
RGB	213, 230, 223
RGB Percent	84%, 90%, 87%
CMY	0.1647, 0.0980, 0.1255
CMYK	0.07, 0.00, 0.03, 0.10
HSL	155°, 25%, 87%
HSV	155°, 7%, 90%
XYZ	69.0567, 76.0675, 80.8549
YIQ	224.1190, -7.8850, -5.7810

# Conversions

## Conversions Part 2

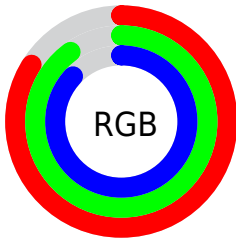
Format	Color
R <sub>Y</sub> B	213, 224, 230
Decimal	14018271
CIE Lab	89.89, -6.93, 1.46
CIE LCh	90, 7.081, 168.111
Yxy	76.0675, 0.3056, 0.3366
Android (android.graphics.Color)	4292208351 (0xFFD5E6DF)
YUV	224.1190, -0.5517, -9.7514
Hunter-Lab	87.2167, -11.2959, 6.0864

# Details

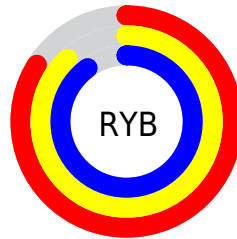
The XYZ color **69.0567, 76.0675, 80.8549** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.3484, 69.5808, 77.4891**, and the grayscale version is **70.9463, 74.6410, 81.2841**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4984, 40.7562, 42.9888** is the 20% darker color. If you saturate the color by 10%, you get **61.6112, 72.3748, 74.0253**, and if you desaturate by 10%, it is **77.5242, 80.2830, 88.1086**.

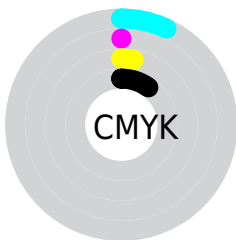
# Distribution



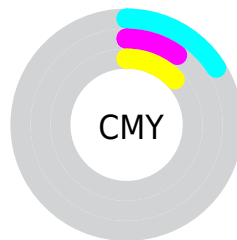
- Red (84%)
- Green (90%)
- Blue (87%)



- Red (84%)
- Yellow (88%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (16%)
- Magenta (10%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0567, 76.0675, 80.8549 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 69.0567, 76.0675, 80.8549 by changing the saturation by 10% instead.



■ 69.0567, 76.0675,  
80.8549

■ 69.0567, 76.0675,  
80.8549

446.5492,  
481.5787, 517.5918

■ 51.0347, 56.4879,  
59.8918

116.8962,  
127.8223, 136.3892

■ 36.4574, 40.5942,  
42.9067

147.4444,  
160.7663, 171.7976

■ 24.9594, 28.0021,  
29.4811

182.8987,  
198.9338, 212.8581

■ 16.1754, 18.3273,  
19.1963

223.6244,  
242.7093, 259.9893

■ 9.7400, 11.1852,  
11.6340

269.9870,  
292.4771, 313.6097

■ 5.2878, 6.1915,  
6.3755

322.3517,

■ 2.4536, 2.9619,

348.6217, 374.1379

3.0022

381.0840,  
411.5275, 441.9924

■ 0.8719, 1.1119,  
1.0958

■ 0.0000, 0.0000,  
0.0000

■ 69.0567, 76.0675,  
80.8549

■ 69.0567, 76.0675,  
80.8549

■ 61.6112, 72.3748,  
74.0253

■ 77.5242, 80.2830,  
88.1086

■ 55.1404, 69.1743,  
67.6068

■ 85.5576, 84.2643,  
95.7194

■ 49.6029, 66.4470,  
61.5929

■ 87.0175, 84.8482,  
103.4074

■ 44.9517, 64.1688,  
55.9750

■ 87.5883, 85.0765,  
106.4128

■ 41.1354, 62.3133,  
50.7441

■ 38.0974, 60.8514,  
45.8910

■ 35.7734, 59.7502,  
41.4056

■ 34.0881, 58.9710,  
37.2774

■ 32.9419, 58.4627,  
33.4941

# Harmonies

## Analogous

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



69.8236, 76.0675, 76.5550



69.0567, 76.0675, 80.8549



69.1484, 76.0675, 85.8567

# Triad

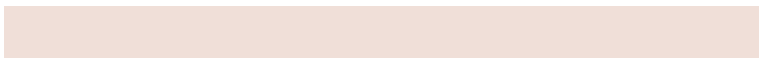
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.0567, 76.0675, 80.8549



73.3510, 76.0675, 92.3264



74.5701, 76.0675, 75.8553

# Complementary

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



69.0567, 76.0675, 80.8549



69.3484, 69.5808, 77.4891

# 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.



75.5457, 76.0675, 79.8647



69.0567, 76.0675, 80.8549



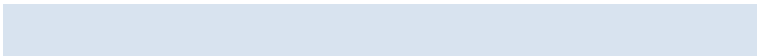
74.8340, 76.0675, 89.4275

# Square

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



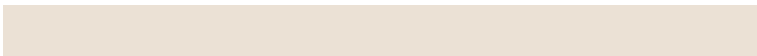
69.0567, 76.0675, 80.8549



71.6088, 76.0675, 92.6177



75.6430, 76.0675, 84.8260



72.9954, 76.0675, 73.7473



# Rectangle

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



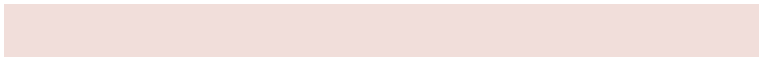
69.0567, 76.0675, 80.8549



69.6843, 76.0675, 88.9162



75.6430, 76.0675, 84.8260



74.9801, 76.0675, 77.0178

# Sweetspot

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



69.0588, 76.0707, 80.8566



92.8621, 98.9110, 107.0419



69.8501, 76.6299, 74.0615



19.8992, 21.1824, 22.9310



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.



69.0588, 76.0707, 80.8566



85.6201, 95.3102, 100.7089



69.6302, 75.6709, 85.8028



14.5431, 16.2307, 17.1249



18.5688, 33.0596, 18.7612



1.4181, 2.4614, 1.6282



# Inverse Universe

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



69.3484, 69.5808, 77.4891



86.0631, 85.3823, 95.5578



68.7979, 69.9334, 72.8244



14.6219, 14.4659, 16.2093



19.6950, 10.0122, 7.2889

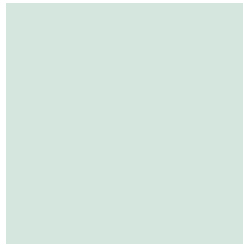


1.5007, 0.7580, 0.7770



# Previews

## White Background



This preview shows how the XYZ color 69.0567, 76.0675, 80.8549 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 69.0567, 76.0675, 80.8549 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

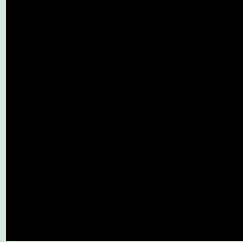
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

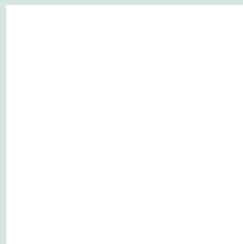
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.0567, 76.0675, 80.8549**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.0567, 76.0675, 80.8549.



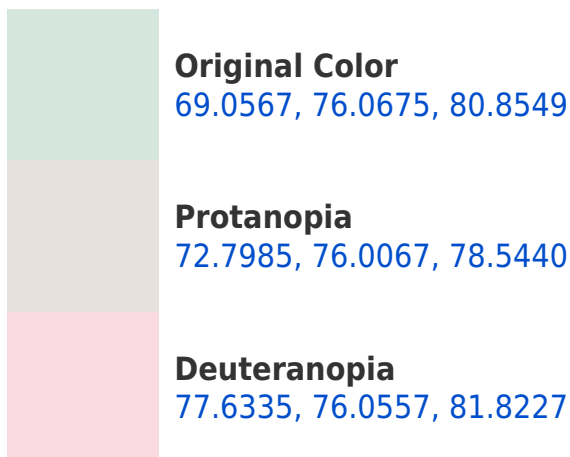
This preview shows how white text looks on a background with the XYZ color 69.0567, 76.0675,



# 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

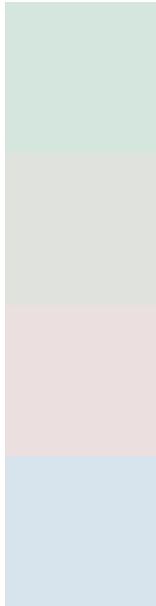




## Tritanopia

72.5658, 76.2825, 97.2856

# Trichromacy



## Original Color

69.0567, 76.0675, 80.8549

## Protanomaly

71.2607, 76.0059, 79.3214

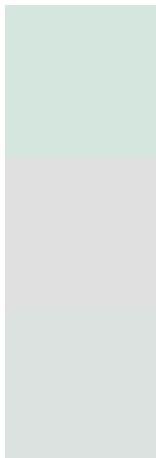
## Deuteranomaly

74.1032, 75.8193, 81.2499

## Tritanomaly

71.3484, 76.2002, 91.0684

# Monochromacy



## Original Color

69.0567, 76.0675, 80.8549

## 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 69.0567, 76.0675, 80.8549 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(213, 230, 223) looks like.

```
.text, #text, p{  
    color:rgb(213, 230, 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(213, 230, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 230, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0567, 76.0675, 80.8549 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(213, 230, 223) }
```



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

```
.border{ border-color:rgb(213, 230, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 230, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 230, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 230, 223);  
box-shadow:4px 4px 4px 4px rgb(213, 230,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0567, 76.0675, 80.8549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 230, 223) }
```

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

```
.background{ background-color: rgb(213,  
230, 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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