

# Converting Colors

XYZ(67.6076, 76.2794, 68.1083)

Have a look what the booklet for  
XYZ(67.6076, 76.2794, 68.1083)  
contains.

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# Color

**XYZ(67.7800, 76.5199,  
68.3242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E8CC
RGB	215, 232, 204
RGB Percent	84%, 91%, 80%
CMY	0.1569, 0.0902, 0.2000
CMYK	0.07, 0.00, 0.12, 0.09
HSL	96°, 38%, 85%
HSV	96°, 12%, 91%
XYZ	67.7800, 76.5199, 68.3242
YIQ	223.7250, -1.1440, -12.3120

# Conversions

## Conversions Part 2

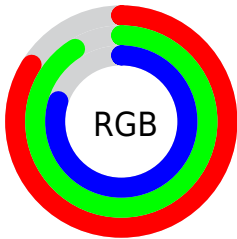
Format	Color
<a href="#">RYB</a>	<a href="#">204, 232, 221</a>
Decimal	<a href="#">14149836</a>
CIELab	<a href="#">90.10, -10.62, 11.71</a>
CIELCh	<a href="#">90, 15.805, 132.214</a>
Yxy	<a href="#">76.5199, 0.3188, 0.3599</a>
Android (android.graphics.Color)	<a href="#">4292339916 (0xFFD7E8CC)</a>
YUV	<a href="#">223.7250, -9.7244, -7.6518</a>
Hunter-Lab	<a href="#">87.4757, -14.7727, 14.9236</a>

# Details

The XYZ color **67.7800, 76.5199, 68.3242** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9802, 64.3862, 85.2982**, and the grayscale version is **70.7248, 74.4080, 81.0303**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5276, 40.7263, 34.8426** is the 20% darker color. If you saturate the color by 10%, you get **61.2423, 73.4498, 54.5587**, and if you desaturate by 10%, it is **75.0927, 79.9461, 84.2929**.

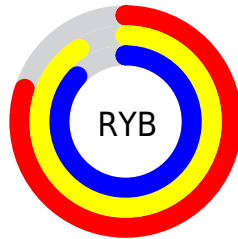
# Distribution



Red (84%)

Green (91%)

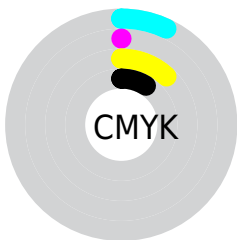
Blue (80%)



Red (80%)

Yellow (91%)

Blue (87%)

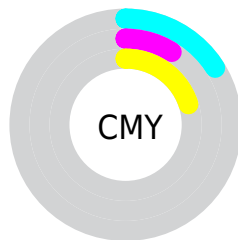


Cyan (7%)

Magenta (0%)

Yellow (12%)

Black (9%)



Cyan (16%)

Magenta (9%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7800, 76.5199, 68.3242 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 67.7800, 76.5199, 68.3242 by changing the saturation by 10% instead.



67.7800, 76.5199,  
68.3242

67.7800, 76.5199,  
68.3242

442.1051,  
483.1256, 473.2730

49.9918, 56.8589,  
49.6932

115.0810,  
128.4615, 118.4744

35.6247, 40.8920,  
34.8002

145.3245,  
161.5110, 150.8307

24.3132, 28.2347,  
23.2267

180.4505,  
199.7921, 188.5992

15.6921, 18.5027,  
14.5541

220.8243,  
243.6892, 232.1983

9.3960, 11.3115,  
8.3639

266.8113,  
293.5867, 282.0468

5.0595, 6.2767,  
4.2376

318.7769,

2.3174, 3.0141,

349.8690, 338.5630

1.7566

377.0864,  
412.9205, 402.1656

■ 0.8035, 1.1391,  
0.3991

■ 0.0000, 0.0111,  
0.0000

■ 67.7800, 76.5199,  
68.3242

■ 67.7800, 76.5199,  
68.3242

■ 61.2423, 73.4498,  
54.5587

■ 75.0927, 79.9461,  
84.2929

■ 55.4462, 70.7139,  
42.8947

■ 83.1999, 83.7298,  
102.5505

■ 50.3648, 68.3030,  
33.2302

■ 88.1481, 86.1962,  
106.5994

■ 45.9671, 66.2035,  
25.4525

■ 42.2196, 64.4008,  
19.4377

■ 39.0853, 62.8790,  
15.0473

■ 36.5228, 61.6201,  
12.1219

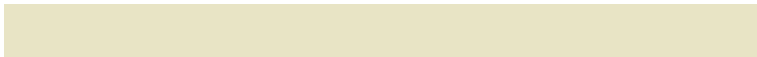
■ 34.4840, 60.6035,  
10.4696

■ 33.1851, 59.9469,  
9.8219

# Harmonies

## Analogous

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



71.1461, 76.5199, 63.9424



67.7800, 76.5199, 68.3242



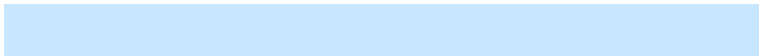
65.7833, 76.5199, 76.8932

# Triad

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



67.7800, 76.5199, 68.3242



70.4508, 76.5199, 105.6190



80.3516, 76.5199, 78.8311

# Complementary

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



67.7800, 76.5199, 68.3242



65.9802, 64.3862, 85.2982

# 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.



80.1490, 76.5199, 90.0894



67.7800, 76.5199, 68.3242



74.3369, 76.5199, 106.2567

# Square

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



67.7800, 76.5199, 68.3242



67.2867, 76.5199, 98.6862



77.9150, 76.5199, 100.3572

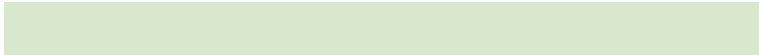


78.4589, 76.5199, 69.6328



# Rectangle

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



67.7800, 76.5199, 68.3242



65.4521, 76.5199, 84.1544



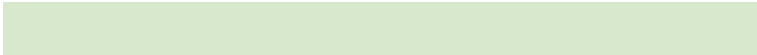
77.9150, 76.5199, 100.3572



80.5281, 76.5199, 82.4855

# Sweetspot

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



67.7821, 76.5232, 68.3259



91.2088, 98.2045, 100.3744



69.9845, 73.1259, 67.5540



19.3716, 20.9493, 21.1520



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

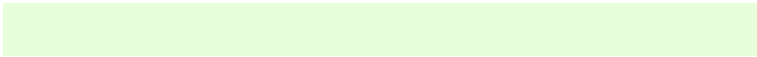


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7821, 76.5232, 68.3259



82.2953, 94.0282, 81.0369



64.9988, 75.0492, 69.9649



14.7222, 16.3638, 15.2870



18.5539, 33.3464, 5.4586



1.4730, 2.5167, 0.4081



# Inverse Universe

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



65.9802, 64.3862, 85.2982



79.7279, 76.7366, 105.2173



69.0453, 66.0119, 83.3814



14.4185, 14.3179, 18.1480



14.3179, 6.4470, 42.8729

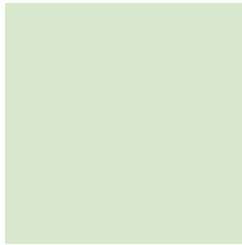


1.1617, 0.5298, 3.1730



# Previews

## White Background



This preview shows how the XYZ color 67.7800, 76.5199, 68.3242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

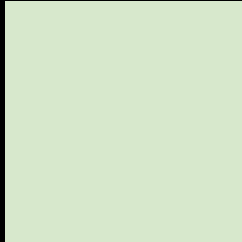
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.7800, 76.5199, 68.3242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

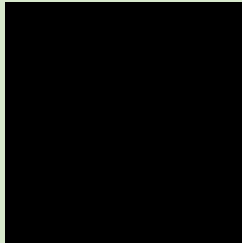
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

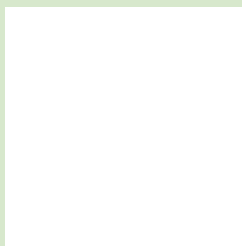
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.7800, 76.5199, 68.3242**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.7800, 76.5199, 68.3242.



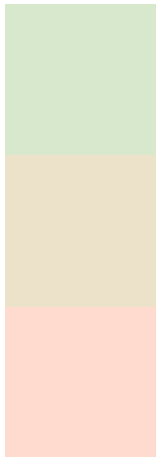
This preview shows how white text looks on a background with the XYZ color 67.7800, 76.5199,



# 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

67.7800, 76.5199, 68.3242

### Protanopia

72.3310, 76.4426, 66.2010

### Deuteranopia

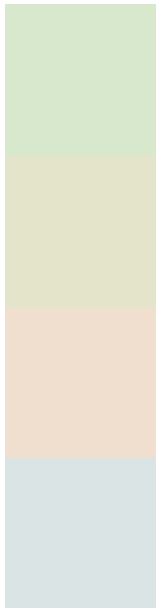
77.5739, 75.9078, 69.5946



## Tritanopia

73.3443, 76.2965, 96.4490

# Trichromacy



## Original Color

67.7800, 76.5199, 68.3242

## Protanomaly

70.3990, 76.2451, 66.8835

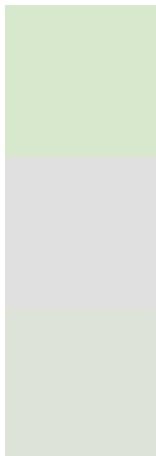
## Deuteranomaly

73.4634, 75.7568, 69.1431

## Tritanomaly

71.0997, 76.2040, 85.0902

# Monochromacy



## Original Color

67.7800, 76.5199, 68.3242

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

69.8123, 75.3201, 76.5044

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.7800, 76.5199, 68.3242 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(215, 232, 204) looks like.

```
.text, #text, p{  
    color:rgb(215, 232, 204)  
}
```

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(215, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 232, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 67.7800, 76.5199, 68.3242 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(215, 232, 204) }
```



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

```
.border{ border-color:rgb(215, 232, 204) }
```

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

Here you see how a box with a 4 pixel rgb(215, 232, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 232, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 232, 204);  
box-shadow:4px 4px 4px 4px rgb(215, 232,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.7800, 76.5199, 68.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 232, 204) }
```

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

```
.background{ background-color: rgb(215,  
232, 204) }
```

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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