

# Converting Colors

XYZ(67.4340, 76.7179, 84.1634)

Have a look what the booklet for  
XYZ(67.4340, 76.7179, 84.1634)  
contains.

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# Color

**XYZ(67.3753, 76.8092,  
83.9476)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9EAE3
RGB	201, 234, 227
RGB Percent	79%, 92%, 89%
CMY	0.2118, 0.0823, 0.1098
CMYK	0.14, 0.00, 0.03, 0.08
HSL	167°, 44%, 85%
HSV	167°, 14%, 92%
XYZ	67.3753, 76.8092, 83.9476
YIQ	223.3350, -17.4210, -9.1730

# Conversions

## Conversions Part 2

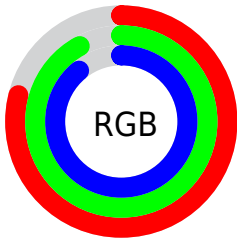
Format	Color
R <sub>Y</sub> B	201, 219, 234
Decimal	13232867
CIE Lab	90.23, -12.09, -0.23
CIE LCh	90, 12.088, 181.090
Yxy	76.8092, 0.2953, 0.3367
Android (android.graphics.Color)	4291422947 (0xFFC9EAE3)
YUV	223.3350, 1.8068, -19.5878
Hunter-Lab	87.6409, -16.1468, 4.5571

# Details

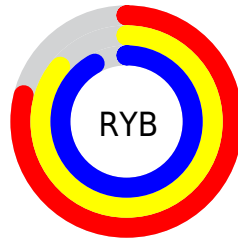
The XYZ color **67.3753, 76.8092, 83.9476** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2062, 63.8217, 68.5073**, and the grayscale version is **70.3756, 74.0406, 80.6302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3994, 41.0224, 45.0821** is the 20% darker color. If you saturate the color by 10%, you get **60.8826, 73.5422, 80.1187**, and if you desaturate by 10%, it is **74.8504, 80.5845, 87.9289**.

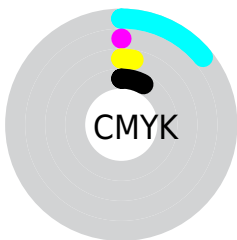
# Distribution



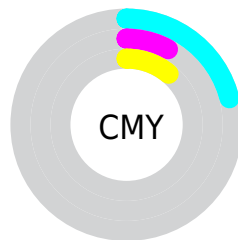
- Red (79%)
- Green (92%)
- Blue (89%)



- Red (79%)
- Yellow (86%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (21%)
- Magenta (8%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3753, 76.8092, 83.9476 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 67.3753, 76.8092, 83.9476 by changing the saturation by 10% instead.



67.3753, 76.8092,  
83.9476

67.3753, 76.8092,  
83.9476

440.6910,  
484.1132, 528.1927

49.6615, 57.0963,  
62.4270

114.5048,  
128.8701, 140.7629

35.3612, 41.0826,  
44.9398

144.6513,  
161.9869, 176.8948

24.1091, 28.3836,  
31.0674

179.6727,  
200.3405, 218.7342

15.5397, 18.6150,  
20.3913

219.9344,  
244.3151, 266.6996

9.2878, 11.3924,  
12.4929

265.8017,  
294.2954, 321.2097

4.9880, 6.3314,  
6.9537

317.6400,

2.2749, 3.0476,

350.6655, 382.6828

3.3552

375.8146,  
413.8100, 451.5377

0.7818, 1.1567,  
1.2787

0.0000, 0.0259,  
0.0443

67.3753, 76.8092,  
83.9476

67.3753, 76.8092,  
83.9476

60.8826, 73.5422,  
80.1187

74.8504, 80.5845,  
87.9289

55.3225, 70.7517,  
76.4342


83.3420, 84.8795,  
92.0602


50.6503, 68.4166,  
72.8927


86.6761, 86.5132,  
96.0551


46.8153, 66.5109,  
69.4910


87.4318, 86.8155,  
100.0349


 43.7615, 65.0058,  
66.2255


 88.2080, 87.1260,  
104.1223

 41.4259, 63.8687,  
63.0925

 88.7143, 87.3285,  
106.7881

 39.7356, 63.0620,  
60.0876

 38.6015, 62.5400,  
57.2057

 38.1125, 62.3238,  
55.5599

# Harmonies

## Analogous

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



68.0596, 76.8092, 75.8798



67.3753, 76.8092, 83.9476



68.1646, 76.8092, 92.4776

# Triad

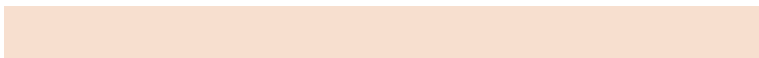
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3753, 76.8092, 83.9476



76.0314, 76.8092, 98.6288



75.8358, 76.8092, 69.9583

# Complementary

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



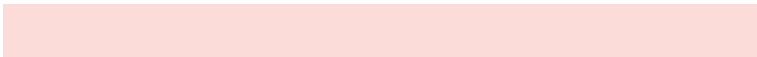
67.3753, 76.8092, 83.9476



66.2062, 63.8217, 68.5073

# 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.



78.0689, 76.8092, 75.3696



67.3753, 76.8092, 83.9476



78.1840, 76.8092, 91.8953

# Square

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



67.3753, 76.8092, 83.9476



73.1149, 76.8092, 101.3044



78.9395, 76.8092, 83.3175



72.8949, 76.8092, 68.1449



# Rectangle

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



67.3753, 76.8092, 83.9476



69.4332, 76.8092, 97.1901



78.9395, 76.8092, 83.3175



76.6969, 76.8092, 71.3976

# Sweetspot

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



67.3775, 76.8124, 83.9493



91.0499, 97.9779, 106.9040



66.0224, 76.4977, 66.5452



19.3322, 20.8924, 22.8022



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

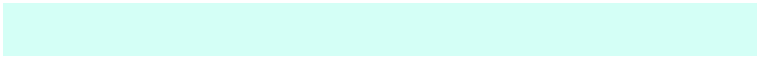


# Same Dimension

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



67.3775, 76.8124, 83.9493



79.4146, 92.1067, 100.6214



65.7717, 72.0222, 88.2808



15.3728, 17.0639, 18.6461



21.4640, 35.0401, 31.4722



1.7196, 2.7651, 2.6511



# Inverse Universe

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



66.2062, 63.8217, 68.5073



77.7271, 73.3846, 78.3692



67.6099, 67.9780, 64.8171



15.1963, 15.1064, 16.3188



19.4244, 9.9725, 2.7705

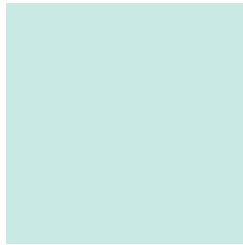


1.5598, 0.7969, 0.3994



# Previews

## White Background



This preview shows how the XYZ color 67.3753, 76.8092, 83.9476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

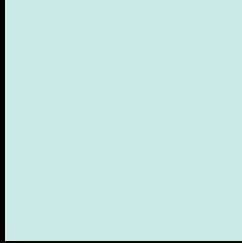
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3753, 76.8092, 83.9476 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

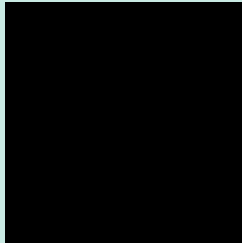
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

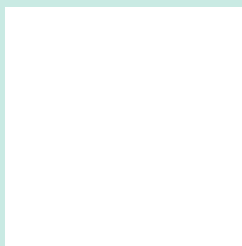
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.3753, 76.8092, 83.9476**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.3753, 76.8092, 83.9476.



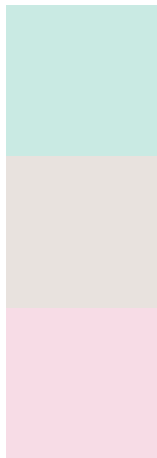
This preview shows how white text looks on a background with the XYZ color 67.3753, 76.8092,



# 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

67.3753, 76.8092, 83.9476

### Protanopia

73.6599, 76.8224, 80.0532

### Deuteranopia

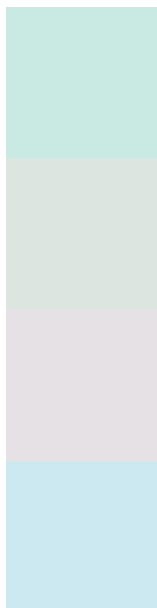
78.2339, 76.6737, 85.5390



## **Tritanopia**

70.8516, 76.9705, 100.7450

# Trichromacy



## Original Color

67.3753, 76.8092, 83.9476

## Protanomaly

71.2927, 76.7926, 81.5859

## Deuteranomaly

73.7012, 76.3306, 84.9775

## Tritanomaly

69.6356, 76.9015, 94.3924

# Monochromacy



## Original Color

67.3753, 76.8092, 83.9476

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

68.9480, 74.7671, 81.3185

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3753, 76.8092, 83.9476 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(201, 234, 227)` looks like.

```
.text, #text, p{  
    color:rgb(201, 234, 227)  
}
```

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(201, 234, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 234, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3753, 76.8092, 83.9476 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(201, 234, 227) }
```



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

```
.border{ border-color:rgb(201, 234, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 234, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 234, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 234, 227);  
box-shadow:4px 4px 4px 4px rgb(201, 234,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3753, 76.8092, 83.9476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 234, 227) }
```

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

```
.background{ background-color: rgb(201,  
234, 227) }
```

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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