

# Converting Colors

XYZ(67.5232, 81.4055, 79.3142)

Have a look what the booklet for  
XYZ(67.5232, 81.4055, 79.3142)  
contains.

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# Color

**XYZ(67.3850, 81.2852,  
79.1559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2F4DB
RGB	194, 244, 219
RGB Percent	76%, 96%, 86%
CMY	0.2392, 0.0431, 0.1412
CMYK	0.20, 0.00, 0.10, 0.04
HSL	150°, 69%, 86%
HSV	150°, 20%, 96%
XYZ	67.3850, 81.2852, 79.1559
YIQ	226.2000, -21.7750, -18.3750

# Conversions

## Conversions Part 2

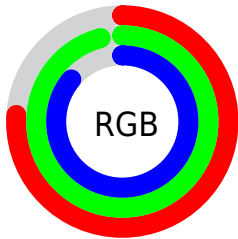
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 227, 244
Decimal	12776667
CIELab	92.26, -20.79, 6.82
CIELCh	92, 21.882, 161.843
Yxy	81.2852, 0.2958, 0.3568
Android (android.graphics.Color)	4290966747 (0xFFC2F4DB)
YUV	226.2000, -3.5496, -28.2394
Hunter-Lab	90.1583, -24.3648, 11.0562

# Details

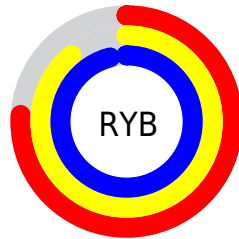
The XYZ color **67.3850, 81.2852, 79.1559** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.3890, 62.9331, 75.5114**, and the grayscale version is **72.4714, 76.2456, 83.0314**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **35.4993, 44.2222, 41.7867** is the 20% darker color. If you saturate the color by 10%, you get **60.0819, 77.7014, 70.7351**, and if you desaturate by 10%, it is **75.8386, 85.4530, 88.2486**.

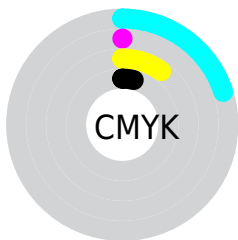
# Distribution



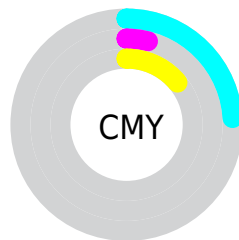
- Red (76%)
- Green (96%)
- Blue (86%)



- Red (76%)
- Yellow (89%)
- Blue (96%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)



- Cyan (24%)
- Magenta (4%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3850, 81.2852, 79.1559 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 67.3850, 81.2852, 79.1559 by changing the saturation by 10% instead.



67.3850, 81.2852,  
79.1559

67.3850, 81.2852,  
79.1559

440.7249,  
499.2536, 511.7151

49.6694, 60.7765,  
58.5019

114.5187,  
135.1712, 133.9790

35.3675, 44.0448,  
41.7949

144.6674,  
169.3172, 168.9851

24.1140, 30.7058,  
28.6164

179.6913,  
208.7779, 209.6125

15.5434, 20.3749,  
18.5477

219.9557,  
253.9375, 256.2795

9.2904, 12.6678,  
11.1704

265.8259,  
305.1804, 309.4047

4.9897, 7.2002,  
6.0660

317.6672,

2.2759, 3.5876,

362.8912, 369.4067

2.8158

375.8451,  
427.4541, 436.7040

■ 0.7823, 1.4457,  
1.0014

■ 0.0000, 0.2500,  
0.0000

■ 67.3850, 81.2852,  
79.1559

■ 67.3850, 81.2852,  
79.1559

■ 60.0819, 77.7014,  
70.7351

■ 75.8386, 85.4530,  
88.2486

■ 53.8698, 74.6645,  
62.9653

■ 85.4851, 90.2196,  
98.0228

■ 48.6942, 72.1489,  
55.8320

■ 91.6422, 93.1844,  
107.7641

■ 44.4927, 70.1228,  
49.3184

■ 41.1959, 68.5506,  
43.4066

■ 38.7247, 67.3921,  
38.0778

■ 36.9850, 66.5989,  
33.3119

■ 35.8648, 66.1095,  
29.2808

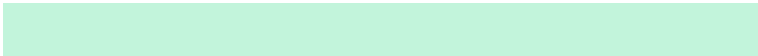
# Harmonies

## Analogous

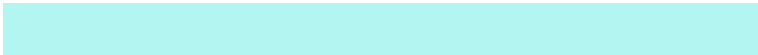
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2332, 81.2852, 67.2831



67.3850, 81.2852, 79.1559



67.1025, 81.2852, 95.0489

# Triad

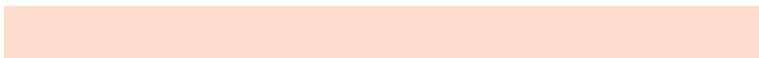
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3850, 81.2852, 79.1559



79.5113, 81.2852, 122.5993



85.6422, 81.2852, 69.3227

# Complementary

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



67.3850, 81.2852, 79.1559



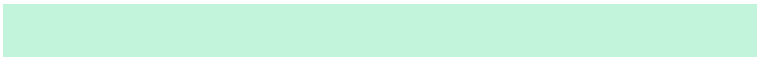
69.3890, 62.9331, 75.5114

# 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.



88.3921, 81.2852, 82.2700



67.3850, 81.2852, 79.1559



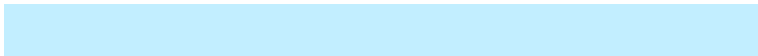
84.7387, 81.2852, 113.7789

# Square

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



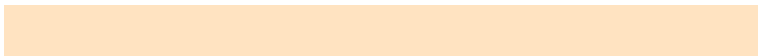
67.3850, 81.2852, 79.1559



73.9215, 81.2852, 121.5000



88.0536, 81.2852, 98.5643



80.6958, 81.2852, 62.1010

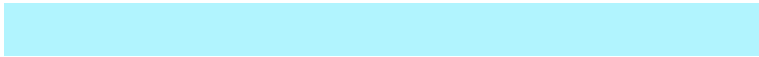


# Rectangle

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



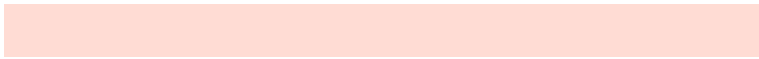
67.3850, 81.2852, 79.1559



68.3891, 81.2852, 105.9649



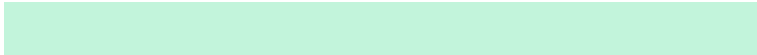
88.0536, 81.2852, 98.5643



86.8647, 81.2852, 73.0781

# Sweetspot

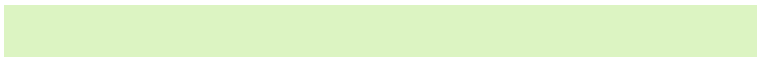
The Sweet Spot groups the original color and five complimentary colors.



67.3873, 81.2886, 79.1577



88.4359, 96.7298, 102.2884



71.5559, 83.7898, 63.4417



18.7811, 20.6311, 21.7434



0.0000, 0.0000, 0.0000

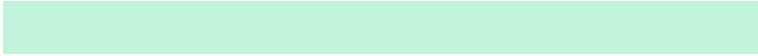


20.3446, 21.4041, 23.3091

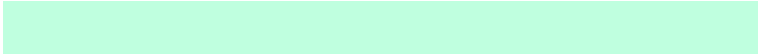


# Same Dimension

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



67.3873, 81.2886, 79.1577



70.6447, 87.9632, 83.1542



70.8044, 82.6555, 97.1524



16.6278, 18.6102, 19.3242



19.5694, 35.9726, 16.2840



1.7718, 3.1824, 1.7043



# Inverse Universe

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



69.3890, 62.9331, 75.5114



73.2618, 63.9653, 78.3871



66.4339, 61.7511, 59.9498



16.8447, 16.6207, 18.9290



22.2655, 11.2496, 11.3726

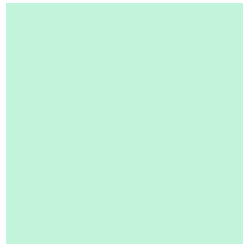


2.0088, 1.0095, 1.2727



# Previews

## White Background



This preview shows how the XYZ color 67.3850, 81.2852, 79.1559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

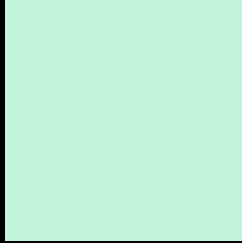
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3850, 81.2852, 79.1559 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

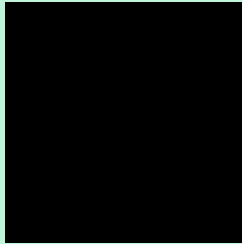
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

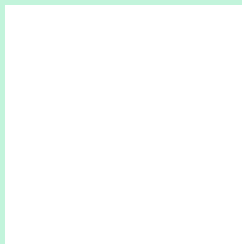
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.3850, 81.2852, 79.1559**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.3850, 81.2852, 79.1559.



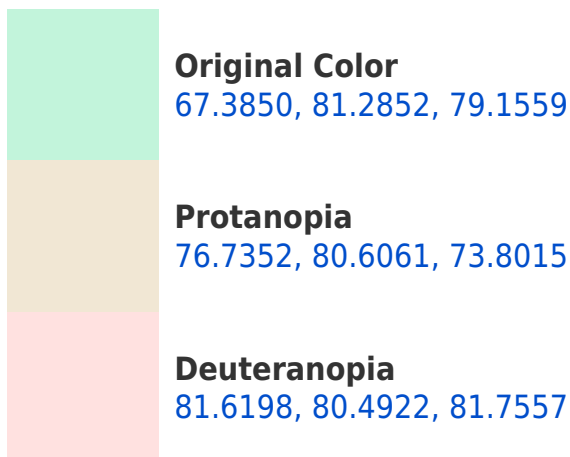
This preview shows how white text looks on a background with the XYZ color 67.3850, 81.2852,

79.1559.

# 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

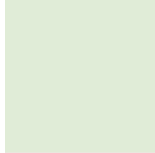
73.8014, 81.3482, 106.4198

# Trichromacy



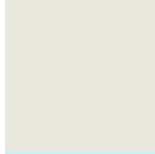
## Original Color

67.3850, 81.2852, 79.1559



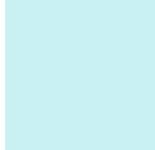
## Protanomaly

73.0017, 80.7445, 76.0276



## Deuteranomaly

75.6457, 80.3108, 80.6218



## Tritanomaly

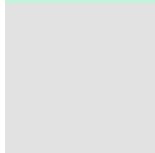
71.2745, 81.1485, 95.9111

# Monochromacy



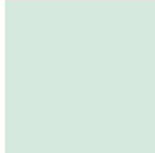
## Original Color

67.3850, 81.2852, 79.1559



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

70.1898, 77.9017, 81.1492

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3850, 81.2852, 79.1559 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(194, 244, 219)` looks like.

```
.text, #text, p{  
    color:rgb(194, 244, 219)  
}
```

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(194, 244, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 244, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3850, 81.2852, 79.1559 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(194, 244, 219) }
```



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

```
.border{ border-color:rgb(194, 244, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 244, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 244, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 244, 219);  
box-shadow:4px 4px 4px 4px rgb(194, 244,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3850, 81.2852, 79.1559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 244, 219) }
```

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

```
.background{ background-color: rgb(194,  
244, 219) }
```

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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