

# Converting Colors

XYZ(67.0128, 77.6531, 81.4507)

Have a look what the booklet for  
XYZ(67.0128, 77.6531, 81.4507)  
contains.

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# Color

**XYZ(66.8679, 77.4607,  
81.2391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7ECDF
RGB	199, 236, 223
RGB Percent	78%, 93%, 87%
CMY	0.2196, 0.0745, 0.1255
CMYK	0.16, 0.00, 0.06, 0.07
HSL	159°, 49%, 85%
HSV	159°, 16%, 93%
XYZ	66.8679, 77.4607, 81.2391
YIQ	223.4550, -17.8790, -11.8870

# Conversions

## Conversions Part 2

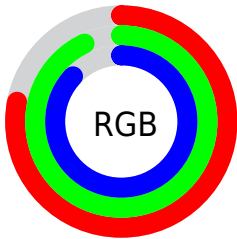
Format	Color
<a href="#">RYB</a>	<a href="#">199, 221, 236</a>
Decimal	<a href="#">13102303</a>
CIELab	<a href="#">90.53, -14.50, 2.28</a>
CIElCh	<a href="#">91, 14.677, 171.062</a>
Yxy	<a href="#">77.4607, 0.2964, 0.3434</a>
Android (android.graphics.Color)	<a href="#">4291292383</a> ( <a href="#">0xFFC7ECDF</a> )
YUV	<a href="#">223.4550, -0.2243, -21.4470</a>
Hunter-Lab	<a href="#">88.0118, -18.4032, 6.8807</a>

# Details

The XYZ color **66.8679, 77.4607, 81.2391** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9019, 63.4352, 71.0089**, and the grayscale version is **70.4753, 74.1455, 80.7444**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.0662, 41.4894, 43.2059** is the 20% darker color. If you saturate the color by 10%, you get **59.9946, 74.0455, 75.2237**, and if you desaturate by 10%, it is **74.7715, 81.4049, 87.5919**.

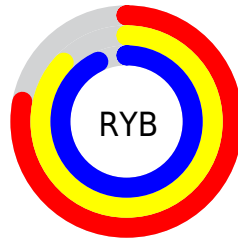
# Distribution



Red (78%)

Green (93%)

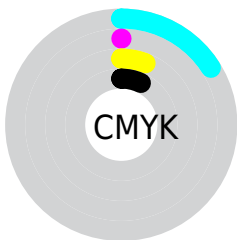
Blue (87%)



Red (78%)

Yellow (87%)

Blue (93%)

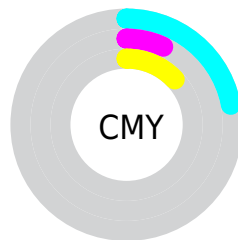


Cyan (16%)

Magenta (0%)

Yellow (6%)

Black (7%)



Cyan (22%)

Magenta (7%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8679, 77.4607, 81.2391 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 66.8679, 77.4607, 81.2391 by changing the saturation by 10% instead.



■ 66.8679, 77.4607,  
81.2391

■ 66.8679, 77.4607,  
81.2391

438.9143,  
486.3334, 518.9154

■ 49.2476, 57.6311,  
60.2064

113.7819,  
129.7896, 136.9335

■ 35.0313, 41.5121,  
43.1586

143.8064,  
163.0577, 172.4323

■ 23.8536, 28.7195,  
29.6773

178.6962,  
201.5740, 213.5903

■ 15.3492, 18.8687,  
19.3438

218.8169,  
245.7230, 260.8258

■ 9.1527, 11.5754,  
11.7396

264.5337,  
295.8890, 314.5576

■ 4.8988, 6.4553,  
6.4463


316.2119,


■ 2.2222, 3.1239,


352.4565, 375.2041


3.0451


374.2170,  
415.8098, 443.1838

 0.7544, 1.1967,  
1.1177


 0.0000, 0.0590,  
0.0000


 66.8679, 77.4607,  
81.2391


 66.8679, 77.4607,  
81.2391


 59.9946, 74.0455,  
75.2237


 74.7715, 81.4049,  
87.5919


 54.0996, 71.1264,  
69.5344

 83.7413, 85.8902,  
94.2829

 49.1362, 68.6813,  
64.1665

 88.1619, 88.0238,  
101.0547

 45.0511, 66.6830,  
59.1132

 89.2869, 88.4738,  
106.9790

■ 41.7856, 65.1012,  
54.3675

■ 39.2732, 63.9019,  
49.9218

■ 37.4367, 63.0451,  
45.7680

■ 36.1808, 62.4821,  
41.8969

■ 35.7524, 62.2960,  
40.3074

# Harmonies

## Analogous

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



68.2682, 77.4607, 72.2620



66.8679, 77.4607, 81.2391



67.2305, 77.4607, 91.8184

# Triad

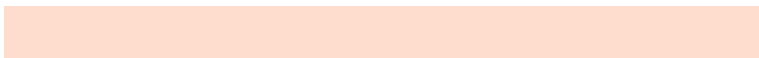
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.8679, 77.4607, 81.2391



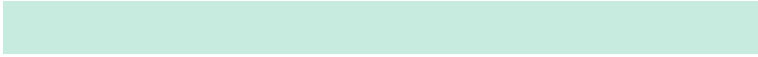
76.1905, 77.4607, 104.6514



78.1507, 77.4607, 69.5721

# Complementary

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



66.8679, 77.4607, 81.2391



66.9019, 63.4352, 71.0089

# 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.



80.4107, 77.4607, 77.2820



66.8679, 77.4607, 81.2391



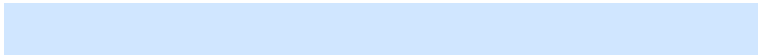
79.2530, 77.4607, 97.6974

# Square

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



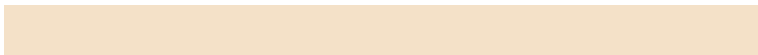
66.8679, 77.4607, 81.2391



72.5327, 77.4607, 105.9328



80.8207, 77.4607, 87.5220



74.7264, 77.4607, 65.9035



# Rectangle

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



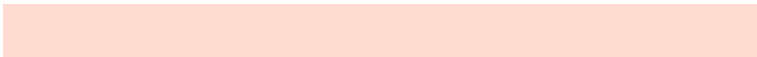
66.8679, 77.4607, 81.2391



68.4283, 77.4607, 98.3320



80.8207, 77.4607, 87.5220



79.0765, 77.4607, 71.7453

# Sweetspot

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



66.8701, 77.4639, 81.2408



89.8007, 97.3763, 104.9327



67.6218, 78.1992, 65.5639



19.0687, 20.7664, 22.3423



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

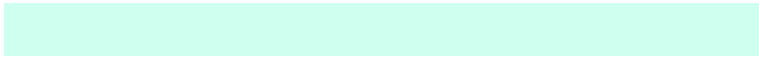


# Same Dimension

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



66.8701, 77.4639, 81.2408



76.7954, 90.8922, 94.3654



67.2906, 75.3905, 90.3659



15.2798, 17.0268, 18.1565



19.7701, 34.3625, 22.5522



1.5977, 2.7164, 2.0094



# Inverse Universe

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



66.9019, 63.4352, 71.0089



76.8410, 71.0267, 79.8794



66.4803, 65.1125, 63.0981



15.2841, 15.1415, 16.7811



19.9825, 10.1957, 5.7092

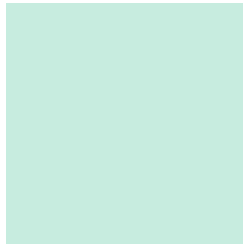


1.6133, 0.8183, 0.6809



# Previews

## White Background



This preview shows how the XYZ color 66.8679, 77.4607, 81.2391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

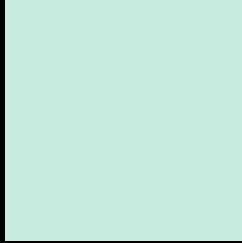
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.8679, 77.4607, 81.2391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

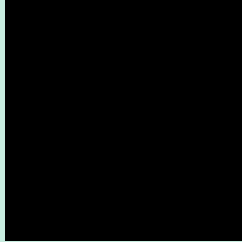
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

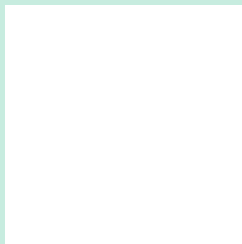
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.8679, 77.4607, 81.2391

## Background



This preview shows how black text looks on a background with the XYZ color 66.8679, 77.4607, 81.2391.



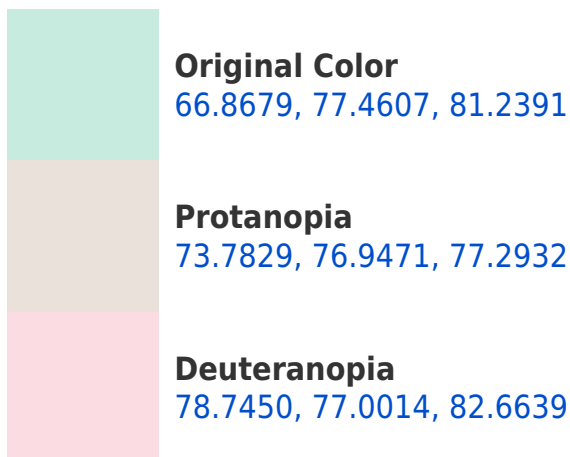
This preview shows how white text looks on a background with the XYZ color 66.8679, 77.4607,

81.2391.

# 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**

71.0138, 77.4527, 101.6495

# Trichromacy



## Original Color

66.8679, 77.4607, 81.2391

## Protanomaly

71.0339, 77.1331, 78.8544

## Deuteranomaly

73.7420, 76.8179, 82.1749

## Tritanomaly

69.2242, 77.1257, 93.6763

# Monochromacy



## Original Color

66.8679, 77.4607, 81.2391

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

68.7942, 75.1107, 80.6840

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.8679, 77.4607, 81.2391 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(199, 236, 223)` looks like.

```
.text, #text, p{  
    color:rgb(199, 236, 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(199, 236, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 236, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 66.8679, 77.4607, 81.2391 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(199, 236, 223) }
```



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

```
.border{ border-color:rgb(199, 236, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 236, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 236, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 236, 223);  
box-shadow:4px 4px 4px 4px rgb(199, 236,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.8679, 77.4607, 81.2391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 236, 223) }
```

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

```
.background{ background-color: rgb(199,  
236, 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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