

# Converting Colors

XYZ(68.3468, 87.0440, 71.0539)

Have a look what the booklet for  
XYZ(68.3468, 87.0440, 71.0539)  
contains.

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# Color

**XYZ(68.2653, 87.0041,  
70.9531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFFLCD
RGB	191, 255, 205
RGB Percent	75%, 100%, 80%
CMY	0.2510, 0.0000, 0.1961
CMYK	0.25, 0.00, 0.20, 0.00
HSL	133°, 100%, 87%
HSV	133°, 25%, 100%
XYZ	68.2653, 87.0041, 70.9531
YIQ	230.1640, -22.0940, -29.1180

# Conversions

## Conversions Part 2

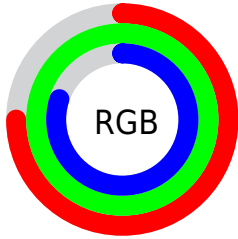
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 244, 255
Decimal	12582861
CIE <sub>Lab</sub>	94.74, -29.56, 17.54
CIE <sub>LCh</sub>	95, 34.367, 149.317
Yxy	87.0041, 0.3018, 0.3846
Android (android.graphics.Color)	4290772941 (0xFFBFFCD)
YUV	230.1640, -12.4059, -34.3468
Hunter-Lab	93.2760, -32.5953, 20.1925

# Details

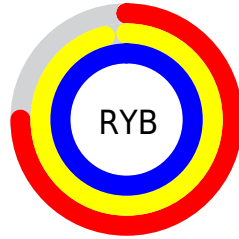
The XYZ color **68.2653, 87.0041, 70.9531** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.7483, 64.8732, 91.7482**, and the grayscale version is **75.4355, 79.3641, 86.4275**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **35.9333, 47.8568, 36.6216** is the 20% darker color. If you saturate the color by 10%, you get **60.1471, 83.0794, 58.8094**, and if you desaturate by 10%, it is **77.8076, 91.6275, 84.7646**.

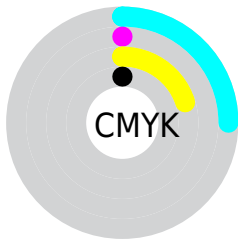
# Distribution



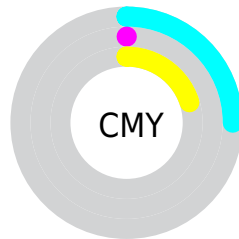
- Red (75%)
- Green (100%)
- Blue (80%)



- Red (75%)
- Yellow (96%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2653, 87.0041, 70.9531 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 68.2653, 87.0041, 70.9531 by changing the saturation by 10% instead.





 68.2653, 87.0041,  
70.9531

 68.2653, 87.0041,  
70.9531


443.7974,  
518.2363, 482.7687

 50.3881, 65.4986,  
51.8223

 115.7714,  
143.1699, 122.2608

 35.9409, 47.8655,  
36.4822


146.1310,  
178.5989, 155.2748

 24.5585, 33.7204,  
24.5142

181.3821,  
219.4379, 193.7536

 15.8754, 22.6789,  
15.4998

221.8900,  
266.0713, 238.1157

 9.5263, 14.3566,  
9.0204

268.0202,  
318.8834, 288.7798

 5.1459, 8.3691,  
4.6575

320.1379,

 2.3687, 4.3320,

378.2587, 346.1643

1.9925

378.6085,  
444.5816, 410.6877

■ 0.8295, 1.8610,  
0.5507

■ 0.0000, 0.5247,  
0.0000

■ 68.2653, 87.0041,  
70.9531

■ 68.2653, 87.0041,  
70.9531

■ 60.1471, 83.0794,  
58.8094

■ 77.8076, 91.6275,  
84.7646

■ 53.3815, 79.8180,  
48.2661

■ 88.8364, 96.9807,  
100.2994

■ 47.8940, 77.1828,  
39.2576

95.0500, 100.0000,  
108.9000

■ 43.6019, 75.1327,  
31.7120

■ 40.4122, 73.6214,  
25.5515

■ 38.2179, 72.5955,  
20.6912

■ 36.8889, 71.9899,  
17.0363

■ 36.4685, 71.8034,  
15.6511

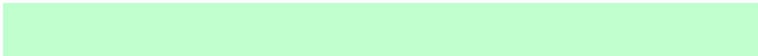
# Harmonies

## Analogous

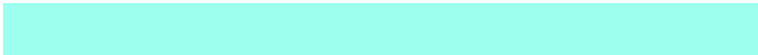
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2538, 87.0041, 56.7637



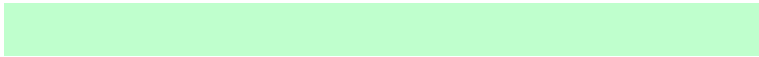
68.2653, 87.0041, 70.9531



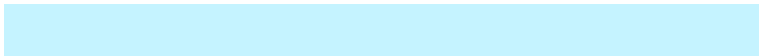
66.0894, 87.0041, 94.1238

# Triad

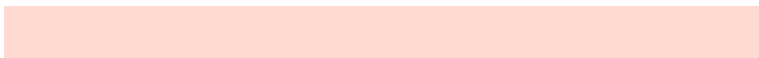
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2653, 87.0041, 70.9531



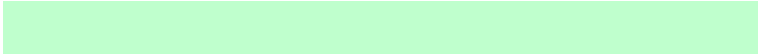
82.4819, 87.0041, 155.6420



99.2670, 87.0041, 71.8284

# Complementary

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



68.2653, 87.0041, 70.9531



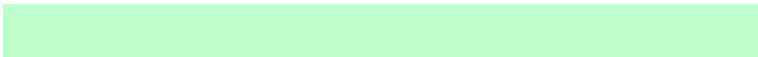
75.7483, 64.8732, 91.7482

# 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.



101.8718, 87.0041, 95.3442



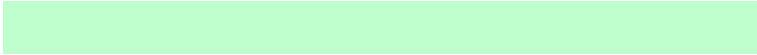
68.2653, 87.0041, 70.9531



91.7524, 87.0041, 146.7019

# Square

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



68.2653, 87.0041, 70.9531



73.9109, 87.0041, 145.8867



99.0265, 87.0041, 123.3076

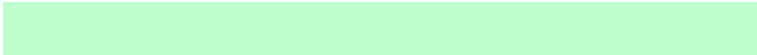


92.1485, 87.0041, 57.1985



# Rectangle

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



68.2653, 87.0041, 70.9531



66.9580, 87.0041, 112.6813



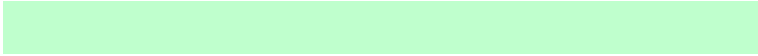
99.0265, 87.0041, 123.3076



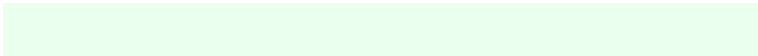
100.7221, 87.0041, 78.7990

# Sweetspot

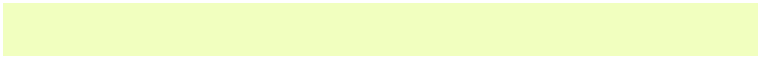
The Sweet Spot groups the original color and five complimentary colors.



68.2660, 87.0045, 70.9545



85.4783, 95.3499, 95.6091



81.4855, 94.0060, 63.1414



17.9342, 20.2332, 19.9565



0.0000, 0.0000, 0.0000

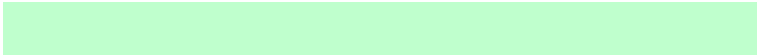


20.3446, 21.4041, 23.3091

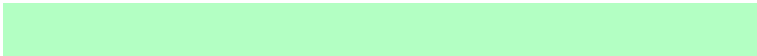


# Same Dimension

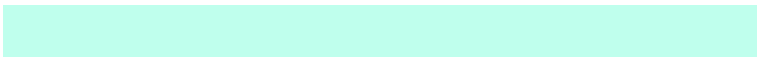
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2660, 87.0045, 70.9545



64.1120, 84.9950, 64.7960



72.5129, 88.7033, 93.3186



17.9342, 20.2332, 19.9565



19.1004, 37.5368, 8.4140



1.8982, 3.6702, 1.0219



# Inverse Universe

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



75.7483, 64.8732, 91.7482



72.7316, 59.4888, 88.7421



71.3965, 63.1325, 68.8318



18.6125, 18.2283, 21.8427



27.0066, 13.2919, 29.7486

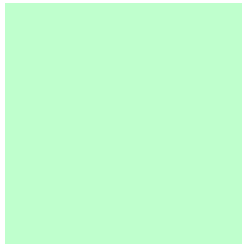


2.6696, 1.3102, 3.1077



# Previews

## White Background



This preview shows how the XYZ color 68.2653, 87.0041, 70.9531 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 68.2653, 87.0041, 70.9531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

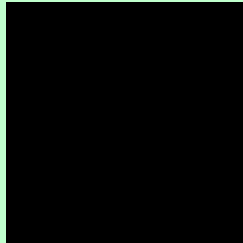
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.2653, 87.0041, 70.9531

## Background



This preview shows how black text looks on a background with the XYZ color 68.2653, 87.0041, 70.9531.



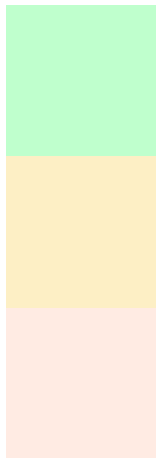
This preview shows how white text looks on a background with the XYZ color 68.2653, 87.0041,

70.9531.

# 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

68.2653, 87.0041, 70.9531

### Protanopia

81.4526, 86.6469, 65.2548

### Deuteranopia

84.8135, 86.2227, 84.8455



## Tritanopia

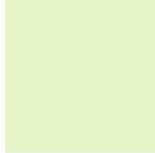
79.3140, 86.3813, 107.1007

# Trichromacy



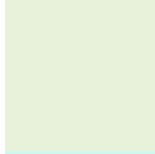
## Original Color

68.2653, 87.0041, 70.9531



## Protanomaly

75.7109, 86.2979, 67.3104



## Deuteranomaly

77.8170, 85.7745, 79.4726



## Tritanomaly

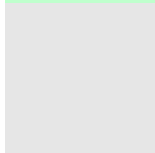
74.8413, 86.1913, 92.8128

# Monochromacy



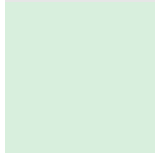
## Original Color

68.2653, 87.0041, 70.9531



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

72.2365, 81.5524, 80.3405

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.2653, 87.0041, 70.9531 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(191, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 205)  
}
```

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(191, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 68.2653, 87.0041, 70.9531 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(191, 255, 205) }
```



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

```
.border{ border-color:rgb(191, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.2653, 87.0041, 70.9531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 205) }
```

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

```
.background{ background-color: rgb(191,  
255, 205) }
```

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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