

Converting Colors

XYZ(67.5914, 86.6683, 70.3997)

Have a look what the booklet for
XYZ(67.5914, 86.6683, 70.3997)
contains.

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Color

**XYZ(67.6453, 86.6985,
70.2959)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF FCC
RGB	189, 255, 204
RGB Percent	74%, 100%, 80%
CMY	0.2588, 0.0000, 0.2000
CMYK	0.26, 0.00, 0.20, 0.00
HSL	134°, 100%, 87%
HSV	134°, 26%, 100%
XYZ	67.6453, 86.6985, 70.2959
YIQ	229.4520, -22.9650, -29.8530

Conversions

Conversions Part 2

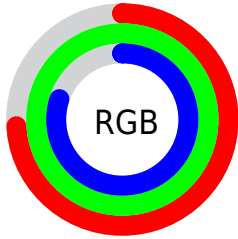
Format	Color
RYB	189, 243, 255
Decimal	12451788
CIELab	94.61, -30.36, 17.85
CIELCh	95, 35.215, 149.543
Yxy	86.6985, 0.3011, 0.3859
Android (android.graphics.Color)	4290641868 (0xFFBDF5CC)
YUV	229.4520, -12.5478, -35.4764
Hunter-Lab	93.1120, -33.2669, 20.4168

Details

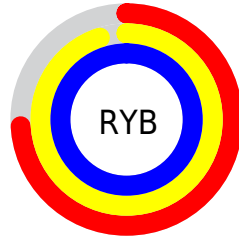
The XYZ color **67.6453, 86.6985, 70.2959** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.1659, 63.9470, 90.8188**, and the grayscale version is **74.9104, 78.8116, 85.8258**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.5306, 47.6585, 36.1805** is the 20% darker color. If you saturate the color by 10%, you get **59.6501, 82.8328, 58.3558**, and if you desaturate by 10%, it is **77.0528, 91.2576, 83.8656**.

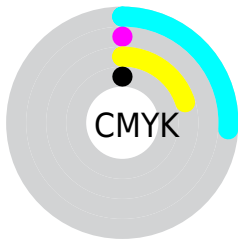
Distribution



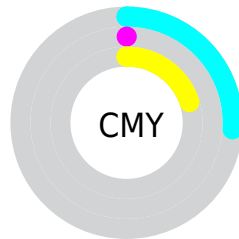
- Red (74%)
- Green (100%)
- Blue (80%)



- Red (74%)
- Yellow (95%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6453, 86.6985, 70.2959 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 67.6453, 86.6985, 70.2959 by changing the saturation by 10% instead.


 67.6453, 86.6985,
70.2959

 67.6453, 86.6985,
70.2959


441.6347,
517.2316, 480.4054

 49.8818, 65.2457,
51.2895

 114.8893,
142.7438, 121.3157

 35.5369, 47.6604,
36.0607


145.1005,
178.1052, 154.1662

 24.2452, 33.5580,
24.1910


180.1917,
218.8715, 192.4685

 15.6414, 22.5542,
15.2619

220.5282,
265.4272, 236.6411

 9.3600, 14.2647,
8.8547

266.4755,
318.1567, 287.1025

 5.0357, 8.3050,
4.5510

318.3987,

 2.3032, 4.2907,

377.4443, 344.2714

1.9322

376.6633,
443.6745, 408.5662

0.7963, 1.8375,
0.5131

0.0000, 0.5104,
0.0000

67.6453, 86.6985,
70.2959

67.6453, 86.6985,
70.2959

59.6501, 82.8328,
58.3558

77.0528, 91.2576,
83.8656

52.9961, 79.6252,
47.9798

87.9353, 96.5414,
99.1189

47.6084, 77.0387,
39.1042

95.0500, 100.0000,
108.9000

43.4041, 75.0317,
31.6592

■ 40.2901, 73.5579,
25.5693

■ 38.1584, 72.5634,
20.7521

■ 36.8770, 71.9820,
17.1159

■ 36.5227, 71.8251,
15.9362

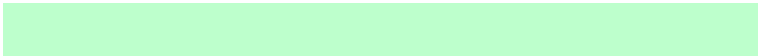
Harmonies

Analogous

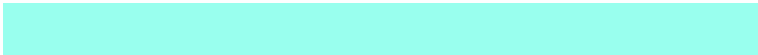
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7250, 86.6985, 55.8219



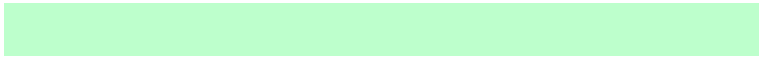
67.6453, 86.6985, 70.2959



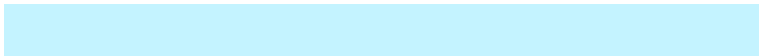
65.4607, 86.6985, 93.9831

Triad

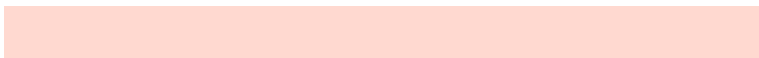
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.6453, 86.6985, 70.2959



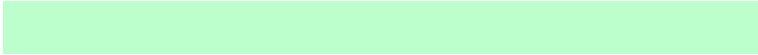
82.2586, 86.6985, 156.9425



99.3327, 86.6985, 70.8916

Complementary

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



67.6453, 86.6985, 70.2959



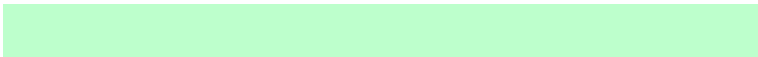
75.1659, 63.9470, 90.8188

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.



102.0452, 86.6985, 94.8180



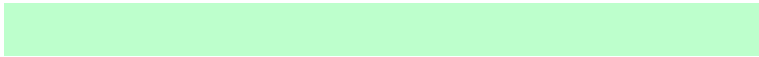
67.6453, 86.6985, 70.2959



91.7395, 86.6985, 147.5954

Square

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



67.6453, 86.6985, 70.2959



73.4908, 86.6985, 147.0338



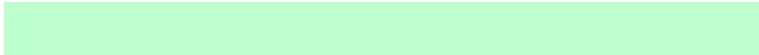
99.1676, 86.6985, 123.4663



92.0109, 86.6985, 56.1165

Rectangle

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



67.6453, 86.6985, 70.2959



66.3666, 86.6985, 112.9955



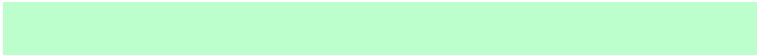
99.1676, 86.6985, 123.4663



100.8376, 86.6985, 77.9654

Sweetspot

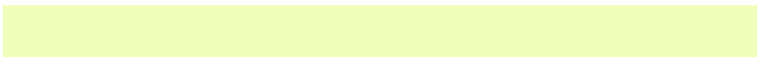
The Sweet Spot groups the original color and five complimentary colors.



67.6459, 86.6987, 70.2973



85.5040, 95.3602, 95.7446



81.1188, 93.8422, 61.9828



17.9406, 20.2358, 19.9904



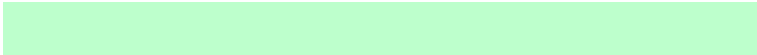
0.0000, 0.0000, 0.0000



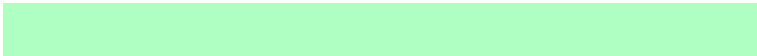
20.3446, 21.4041, 23.3091

Same Dimension

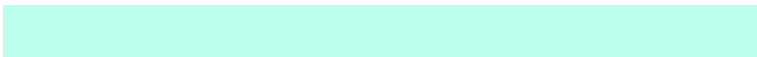
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6459, 86.6987, 70.2973



63.3815, 84.6356, 63.9860



71.9306, 88.4126, 92.8601



17.9406, 20.2358, 19.9904



19.1301, 37.5486, 8.5702



1.9020, 3.6717, 1.0416

Inverse Universe

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



75.1659, 63.9470, 90.8188



72.0464, 58.4074, 87.6224



70.7863, 62.1951, 67.7558



18.6056, 18.2256, 21.8063



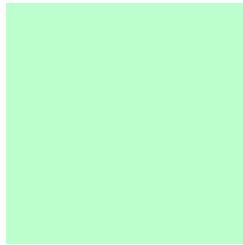
26.8768, 13.2400, 29.0651



2.6580, 1.3056, 3.0465

Previews

White Background



This preview shows how the XYZ color 67.6453, 86.6985, 70.2959 looks on a white background.

Color Contrast Check

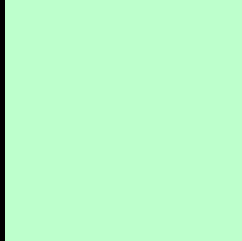
Large Text (above 18pt) WCAG AA × Fail

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 67.6453, 86.6985, 70.2959 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 67.6453, 86.6985, 70.2959

Background



This preview shows how black text looks on a background with the XYZ color 67.6453, 86.6985, 70.2959.



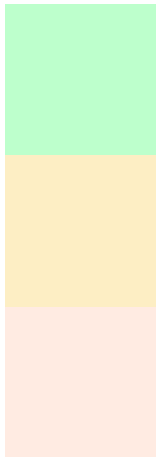
This preview shows how white text looks on a background with the XYZ color 67.6453, 86.6985,

70.2959.

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

67.6453, 86.6985, 70.2959

Protanopia

81.0464, 86.0172, 64.5559

Deuteranopia

84.6758, 86.1676, 84.1206



Tritanopia

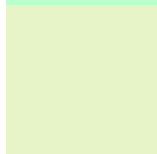
79.0140, 86.2266, 107.0867

Trichromacy



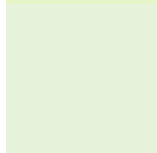
Original Color

67.6453, 86.6985, 70.2959



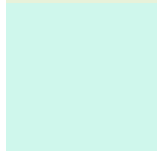
Protanomaly

75.2926, 85.6479, 66.5962



Deuteranomaly

77.3620, 85.5551, 78.7660



Tritanomaly

74.1332, 85.8431, 92.0190

Monochromacy



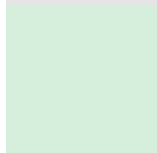
Original Color

67.6453, 86.6985, 70.2959



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.2244, 80.6125, 79.5160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6453, 86.6985, 70.2959 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(189, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 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(189, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 67.6453, 86.6985, 70.2959 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(189, 255, 204) }
```


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

```
.border{ border-color:rgb(189, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6453, 86.6985, 70.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 204) }
```

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

```
.background{ background-color: rgb(189,  
255, 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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