

Converting Colors

XYZ(67.2100, 82.9659, 67.9629)

Have a look what the booklet for
XYZ(67.2100, 82.9659, 67.9629)
contains.

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Color

**XYZ(67.0921, 82.7443,
67.6935)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F7C9
RGB	198, 247, 201
RGB Percent	78%, 97%, 79%
CMY	0.2235, 0.0314, 0.2118
CMYK	0.20, 0.00, 0.19, 0.03
HSL	124°, 75%, 87%
HSV	124°, 20%, 97%
XYZ	67.0921, 82.7443, 67.6935
YIQ	227.1050, -14.4380, -24.6940

Conversions

Conversions Part 2

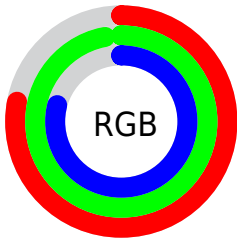
Format	Color
R _{YB}	198, 244, 247
Decimal	13039561
CIE Lab	92.90, -24.21, 17.07
CIE LCh	93, 29.624, 144.825
Yxy	82.7443, 0.3084, 0.3804
Android (android.graphics.Color)	4291229641 (0xFFC6F7C9)
YUV	227.1050, -12.8698, -25.5251
Hunter-Lab	90.9639, -27.5308, 19.5523

Details

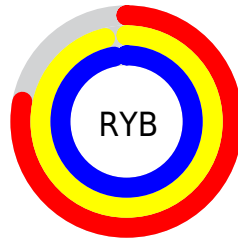
The XYZ color **67.0921, 82.7443, 67.6935** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.8839, 66.6959, 94.5184**, and the grayscale version is **73.1901, 77.0017, 83.8548**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.0076, 44.7731, 34.4007** is the 20% darker color. If you saturate the color by 10%, you get **58.5798, 78.6502, 54.1152**, and if you desaturate by 10%, it is **77.0824, 87.5575, 83.4939**.

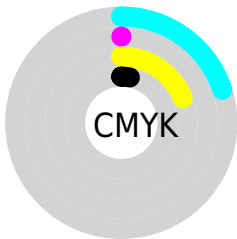
Distribution



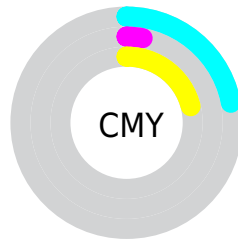
- Red (78%)
- Green (97%)
- Blue (79%)



- Red (78%)
- Yellow (96%)
- Blue (97%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (3%)



- Cyan (22%)
- Magenta (3%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0921, 82.7443, 67.6935 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 67.0921, 82.7443, 67.6935 by changing the saturation by 10% instead.

67.0921, 82.7443,
67.6935

67.0921, 82.7443,
67.6935

439.6999,
504.1339, 470.9778

49.4304, 61.9792,
49.1833

114.1014,
137.2173, 117.5636

35.1770, 45.0159,
34.3983

144.1798,
171.6940, 149.7606

23.9664, 31.4700,
22.9199

179.1279,
211.5100, 187.3570

15.4333, 20.9570,
14.3296

219.3109,
257.0498, 230.7712

9.2123, 13.0926,
8.2089

265.0942,
308.6976, 280.4219

4.9382, 7.4923,
4.1392

316.8433,

2.2454, 3.7718,

366.8380, 336.7275

1.7020

374.9234,
431.8553, 400.1067

■ 0.7665, 1.5468,
0.3621

■ 0.0000, 0.3213,
0.0000

■ 67.0921, 82.7443,
67.6935

■ 67.0921, 82.7443,
67.6935

■ 58.5798, 78.6502,
54.1152

■ 77.0824, 87.5575,
83.4939

■ 51.4690, 75.2307,
42.6542

■ 88.6092, 93.1109,
101.6040

■ 45.6866, 72.4529,
33.2056

■ 92.5523, 95.0047,
108.0674

■ 41.1499, 70.2766,
25.6531

■ 37.7671, 68.6573,
19.8689

■ 35.4339, 67.5441,
15.7090

■ 34.0267, 66.8770,
13.0074

■ 33.3571, 66.5632,
11.5606

■ 33.3495, 66.5595,
11.5462

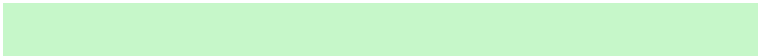
Harmonies

Analogous

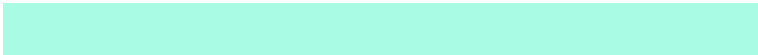
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5587, 82.7443, 56.6688



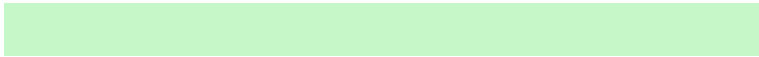
67.0921, 82.7443, 67.6935



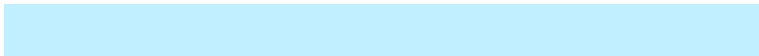
64.7293, 82.7443, 86.3023

Triad

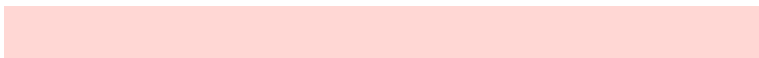
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.0921, 82.7443, 67.6935



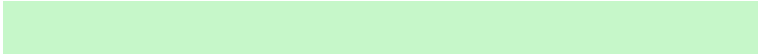
77.3105, 82.7443, 139.5871



92.9489, 82.7443, 73.3506

Complementary

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



67.0921, 82.7443, 67.6935



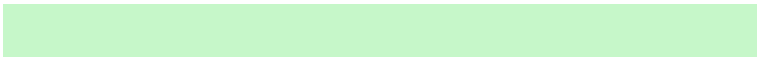
74.8839, 66.6959, 94.5184

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.



94.4268, 82.7443, 93.9961



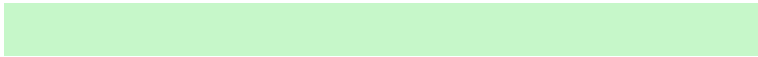
67.0921, 82.7443, 67.6935



85.0645, 82.7443, 134.6043

Square

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



67.0921, 82.7443, 67.6935



70.3763, 82.7443, 129.6395



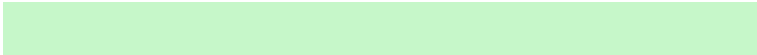
91.4555, 82.7443, 116.9611



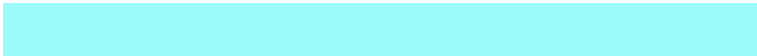
87.5394, 82.7443, 59.5399

Rectangle

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



67.0921, 82.7443, 67.6935



65.1120, 82.7443, 101.4517



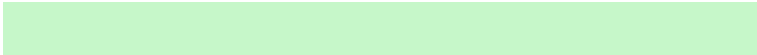
91.4555, 82.7443, 116.9611



93.9363, 82.7443, 79.6181

Sweetspot

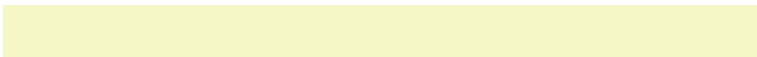
The Sweet Spot groups the original color and five complimentary colors.



67.0943, 82.7478, 67.6953



87.4164, 96.3220, 96.9196



80.9567, 89.9345, 66.5192



18.5407, 20.5350, 20.4775



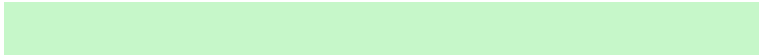
0.0000, 0.0000, 0.0000



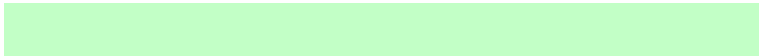
20.3446, 21.4041, 23.3091

Same Dimension

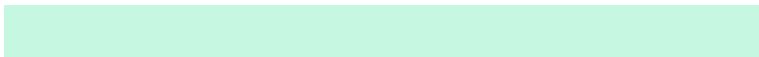
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.0943, 82.7478, 67.6953



68.0977, 87.0192, 66.3600



70.1357, 83.9644, 83.7111



16.3233, 18.4885, 17.7211



17.6533, 35.2061, 6.1939



1.5657, 3.0999, 0.6190

Inverse Universe

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



74.8839, 66.6959, 94.5184



77.9398, 66.7356, 100.2491



71.4793, 65.3341, 76.5904



17.1672, 16.7497, 20.6272



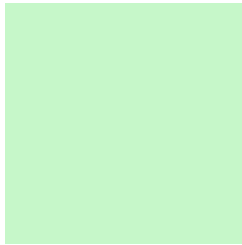
27.9997, 13.5433, 41.5681



2.4740, 1.1955, 3.7222

Previews

White Background



This preview shows how the XYZ color 67.0921, 82.7443, 67.6935 looks on a white background.

Color Contrast Check

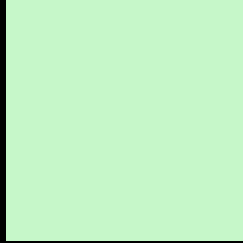
Large Text (above 18pt) WCAG AA × Fail

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 67.0921, 82.7443, 67.6935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

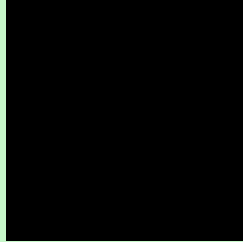
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.0921, 82.7443, 67.6935

Background



This preview shows how black text looks on a background with the XYZ color 67.0921, 82.7443, 67.6935.



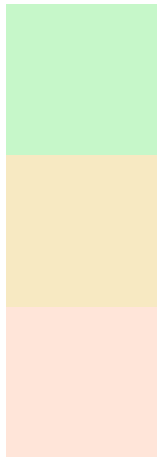
This preview shows how white text looks on a background with the XYZ color 67.0921, 82.7443,

67.6935.

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

67.0921, 82.7443, 67.6935

Protanopia

77.2343, 81.9470, 62.7856

Deuteranopia

81.7837, 82.3084, 77.2223



Tritanopia

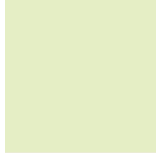
75.7759, 82.3661, 106.5122

Trichromacy



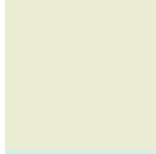
Original Color

67.0921, 82.7443, 67.6935



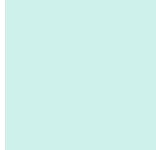
Protanomaly

72.9657, 81.8383, 64.7740



Deuteranomaly

75.6850, 82.1865, 73.5026



Tritanomaly

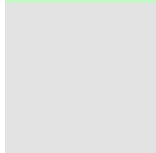
72.1828, 82.1742, 90.6540

Monochromacy



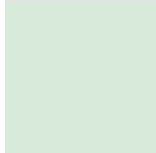
Original Color

67.0921, 82.7443, 67.6935



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.3966, 78.5065, 77.7726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0921, 82.7443, 67.6935 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(198, 247, 201)` looks like.

```
.text, #text, p{  
    color:rgb(198, 247, 201)  
}
```

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(198, 247, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 247, 201) }
```

Border

The CSS property to change the border of an element to XYZ 67.0921, 82.7443, 67.6935 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(198, 247, 201) }
```


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

```
.border{ border-color:rgb(198, 247, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 247, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 247, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 247, 201);  
box-shadow:4px 4px 4px 4px rgb(198, 247,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0921, 82.7443, 67.6935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 247, 201) }
```

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

```
.background{ background-color: rgb(198,  
247, 201) }
```

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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