

Converting Colors

XYZ(67.3056, 83.1628, 67.6213)

Have a look what the booklet for
XYZ(67.3056, 83.1628, 67.6213)
contains.

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Color

**XYZ(67.3987, 83.3576,
67.7957)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F8C9
RGB	198, 248, 201
RGB Percent	78%, 97%, 79%
CMY	0.2235, 0.0274, 0.2118
CMYK	0.20, 0.00, 0.19, 0.03
HSL	124°, 78%, 87%
HSV	124°, 20%, 97%
XYZ	67.3987, 83.3576, 67.7957
YIQ	227.6920, -14.7130, -25.2170

Conversions

Conversions Part 2

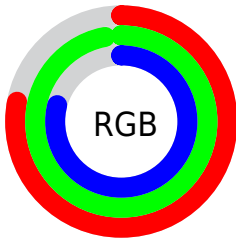
Format	Color
RYB	198, 245, 248
Decimal	13039817
CIELab	93.17, -24.69, 17.44
CIELCh	93, 30.233, 144.765
Yxy	83.3576, 0.3084, 0.3814
Android (android.graphics.Color)	4291229897 (0xFFC6F8C9)
YUV	227.6920, -13.1592, -26.0399
Hunter-Lab	91.3004, -28.0055, 19.8841

Details

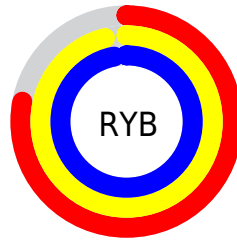
The XYZ color **67.3987, 83.3576, 67.7957** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.3898, 66.9390, 95.3368**, and the grayscale version is **73.6204, 77.4544, 84.3478**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2250, 45.2078, 34.4732** is the 20% darker color. If you saturate the color by 10%, you get **58.8518, 79.2471, 54.1508**, and if you desaturate by 10%, it is **77.4367, 88.1935, 83.6864**.

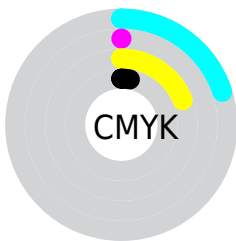
Distribution



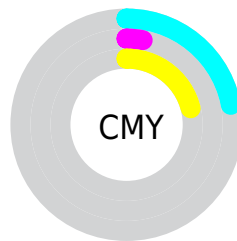
- Red (78%)
- Green (97%)
- Blue (79%)



- 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 67.3987, 83.3576, 67.7957 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 67.3987, 83.3576, 67.7957 by changing the saturation by 10% instead.

67.3987, 83.3576,
67.7957

67.3987, 83.3576,
67.7957

440.7728,
506.1775, 471.3502

49.6806, 62.4852,
49.2659

114.5382,
138.0762, 117.7113

35.3764, 45.4249,
34.4634

144.6902,
172.6912, 149.9341

24.1209, 31.7922,
22.9696

179.7177,
212.6558, 187.5584

15.5485, 21.2028,
14.3659

219.9858,
258.3545, 231.0027

9.2941, 13.2723,
8.2340

265.8601,
310.1716, 280.6854

4.9921, 7.6164,
4.1551

317.7058,

2.2774, 3.8505,

368.4916, 337.0253

1.7108

375.8882,
433.6987, 400.4407

■ 0.7830, 1.5903,
0.3681

■ 0.0000, 0.3510,
0.0000

■ 67.3987, 83.3576,
67.7957

■ 67.3987, 83.3576,
67.7957

■ 58.8518, 79.2471,
54.1508

■ 77.4367, 88.1935,
83.6864

■ 51.7185, 75.8170,
42.6453

■ 89.0250, 93.7760,
101.9119

■ 45.9246, 73.0338,
33.1725

■ 92.8590, 95.6180,
108.1697

■ 41.3864, 70.8569,
25.6141

■ 38.0105, 69.2409,
19.8398

■ 35.6910, 68.1343,
15.7032

■ 34.3021, 67.4759,
13.0345

■ 33.6544, 67.1722,
11.6393

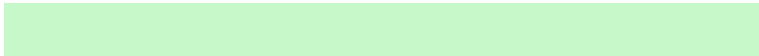
Harmonies

Analogous

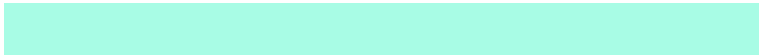
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0026, 83.3576, 56.5595



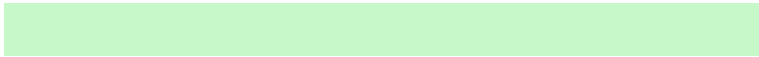
67.3987, 83.3576, 67.7957



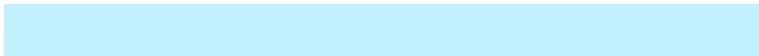
64.9737, 83.3576, 86.8297

Triad

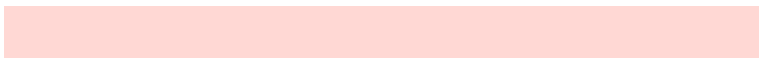
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3987, 83.3576, 67.7957



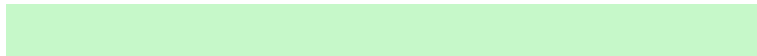
77.8436, 83.3576, 141.6532



93.9204, 83.3576, 73.6468

Complementary

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



67.3987, 83.3576, 67.7957



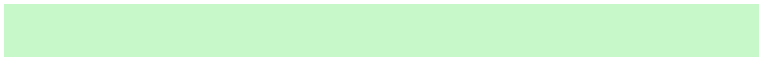
75.3898, 66.9390, 95.3368

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.



95.4301, 83.3576, 94.8118



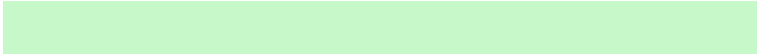
67.3987, 83.3576, 67.7957



85.7996, 83.3576, 136.5495

Square

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



67.3987, 83.3576, 67.7957



70.7409, 83.3576, 131.3765



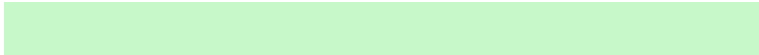
92.3682, 83.3576, 118.4054



88.3700, 83.3576, 59.5213

Rectangle

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



67.3987, 83.3576, 67.7957



65.3604, 83.3576, 102.3707



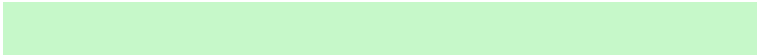
92.3682, 83.3576, 118.4054



94.9323, 83.3576, 80.0663

Sweetspot

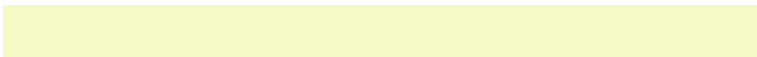
The Sweet Spot groups the original color and five complimentary colors.



67.4009, 83.3611, 67.7975



87.4136, 96.3209, 96.9050



81.5949, 90.7188, 66.6368



18.5401, 20.5347, 20.4740



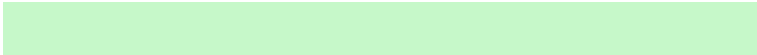
0.0000, 0.0000, 0.0000



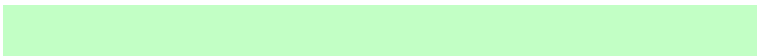
20.3446, 21.4041, 23.3091

Same Dimension

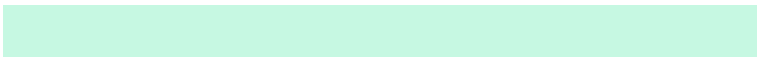
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4009, 83.3611, 67.7975



68.0891, 87.0158, 66.3148



70.5175, 84.6078, 84.2091



17.0596, 19.3261, 18.5145



18.1954, 36.2912, 6.3724



1.6996, 3.3669, 0.6658

Inverse Universe

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



75.3898, 66.9390, 95.3368



77.9515, 66.7403, 100.3112



71.8927, 65.5402, 76.9214



17.9454, 17.5055, 21.5683



28.8853, 13.9698, 42.9657



2.6886, 1.2992, 4.0493

Previews

White Background



This preview shows how the XYZ color 67.3987, 83.3576, 67.7957 looks on a white background.

Color Contrast Check

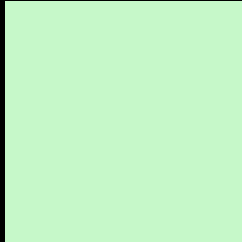
Large Text (above 18pt) WCAG AA × Fail

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 67.3987, 83.3576, 67.7957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

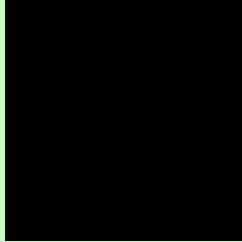
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

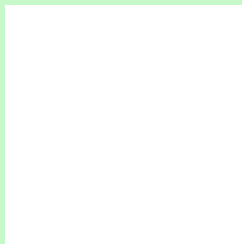
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3987, 83.3576, 67.7957

Background



This preview shows how black text looks on a background with the XYZ color 67.3987, 83.3576, 67.7957.



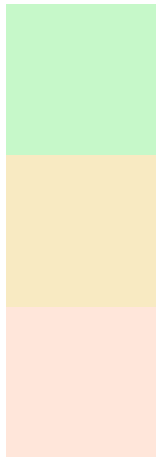
This preview shows how white text looks on a background with the XYZ color 67.3987, 83.3576,

67.7957.

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

67.3987, 83.3576, 67.7957

Protanopia

77.8718, 82.6971, 62.8968

Deuteranopia

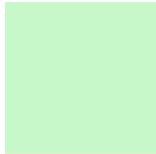
82.1917, 82.9156, 78.0020



Tritanopia

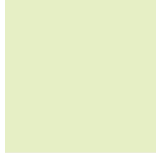
76.3571, 83.0991, 106.6230

Trichromacy



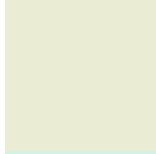
Original Color

67.3987, 83.3576, 67.7957



Protanomaly

73.5777, 82.5872, 64.8863



Deuteranomaly

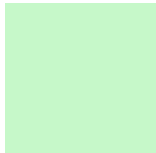
76.0995, 82.8143, 74.2612



Tritanomaly

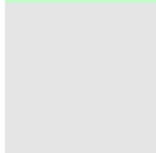
72.7600, 82.9123, 90.7661

Monochromacy



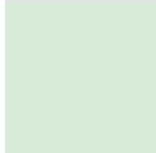
Original Color

67.3987, 83.3576, 67.7957



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.9785, 79.2303, 77.8817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3987, 83.3576, 67.7957 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, 248, 201)` looks like.

```
.text, #text, p{  
    color:rgb(198, 248, 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, 248, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 248, 201) }
```

Border

The CSS property to change the border of an element to XYZ 67.3987, 83.3576, 67.7957 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, 248, 201) }
```


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

```
.border{ border-color:rgb(198, 248, 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, 248, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 248, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 248, 201);  
box-shadow:4px 4px 4px 4px rgb(198, 248,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3987, 83.3576, 67.7957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 248, 201) }
```

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

```
.background{ background-color: rgb(198,  
248, 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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