

Converting Colors

XYZ(67.7521, 86.9824, 59.9603)

Have a look what the booklet for
XYZ(67.7521, 86.9824, 59.9603)
contains.

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Color

**XYZ(67.7556, 86.9782,
60.2311)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFBB
RGB	197, 255, 187
RGB Percent	77%, 100%, 73%
CMY	0.2274, 0.0000, 0.2667
CMYK	0.23, 0.00, 0.27, 0.00
HSL	111°, 100%, 87%
HSV	111°, 27%, 100%
XYZ	67.7556, 86.9782, 60.2311
YIQ	229.9060, -12.7400, -33.4440

Conversions

Conversions Part 2

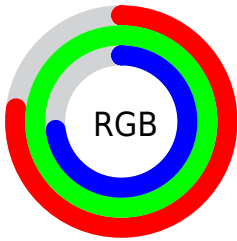
Format	Color
RYB	187, 255, 245
Decimal	12976059
CIELab	94.73, -30.63, 26.73
CIElCh	95, 40.652, 138.882
Yxy	86.9782, 0.3152, 0.4046
Android (android.graphics.Color)	4291166139 (0xFFC5FFBB)
YUV	229.9060, -21.1527, -28.8586
Hunter-Lab	93.2621, -33.5271, 26.9924

Details

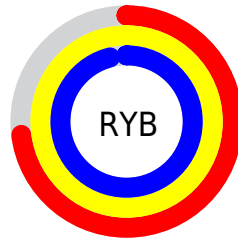
The XYZ color **67.7556, 86.9782, 60.2311** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.4775, 62.1744, 102.7359**, and the grayscale version is **75.3021, 79.2237, 86.2746**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **35.5831, 47.8324, 29.5475** is the 20% darker color. If you saturate the color by 10%, you get **59.9729, 83.2540, 46.8597**, and if you desaturate by 10%, it is **76.8458, 91.3204, 76.1965**.

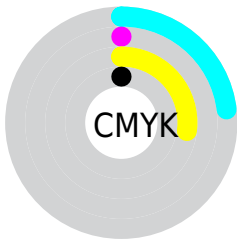
Distribution



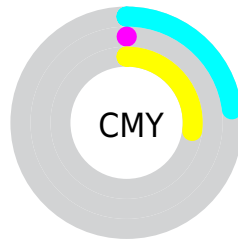
- Red (77%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (96%)



- Cyan (23%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7556, 86.9782, 60.2311 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 67.7556, 86.9782, 60.2311 by changing the saturation by 10% instead.


 67.7556, 86.9782,
60.2311

 67.7556, 86.9782,
60.2311


442.0199,
518.1512, 443.2773

 49.9719, 65.4772,
43.1784


 115.0463,
143.1338, 106.7115

 35.6088, 47.8481,
29.6927


145.2839,
178.5571, 136.9763

 24.3009, 33.7066,
19.3554


180.4036,
219.3899, 172.4822

 15.6829, 22.6683,
11.7479

220.7707,
266.0167, 213.6477

 9.3895, 14.3488,
6.4518

266.7505,
318.8219, 260.8915

 5.0552, 8.3636,
3.0485

318.7084,

 2.3148, 4.3285,

378.1897, 314.6320

1.1195

377.0098,
444.5047, 375.2878

0.8022, 1.8590,
0.0000

0.0000, 0.5235,
0.0000

67.7556, 86.9782,
60.2311

67.7556, 86.9782,
60.2311

59.9729, 83.2540,
46.8597

76.8458, 91.3204,
76.1965

53.4356, 80.1187,
35.9415

87.2987, 96.3064,
94.8786

48.0786, 77.5422,
27.3288

95.0500, 100.0000,
108.9000

43.8301, 75.4909,
20.8559

■ 40.6106, 73.9279,
16.3354

■ 38.3293, 72.8112,
13.5474

■ 36.8777, 72.0908,
12.2154

■ 36.5409, 71.9226,
11.9565

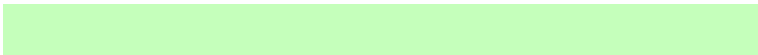
Harmonies

Analogous

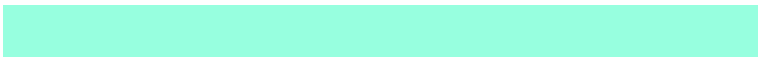
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0208, 86.9782, 48.2206



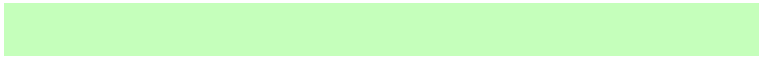
67.7556, 86.9782, 60.2311



63.6266, 86.9782, 83.5108

Triad

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



67.7556, 86.9782, 60.2311



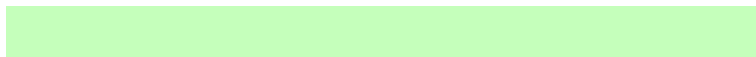
78.6632, 86.9782, 167.3336



104.3116, 86.9782, 76.4447

Complementary

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



67.7556, 86.9782, 60.2311



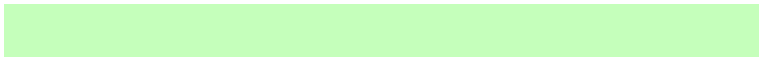
73.4775, 62.1744, 102.7359

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.



105.1783, 86.9782, 106.8563



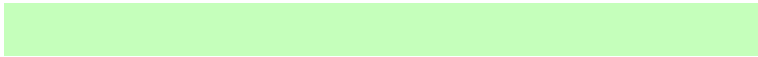
67.7556, 86.9782, 60.2311



89.6964, 86.9782, 164.2543

Square

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



67.7556, 86.9782, 60.2311



69.5422, 86.9782, 147.9826



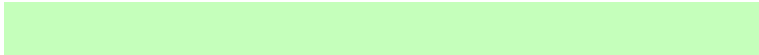
99.6270, 86.9782, 140.3198



97.3543, 86.9782, 56.0485

Rectangle

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



67.7556, 86.9782, 60.2311



63.5065, 86.9782, 104.3554



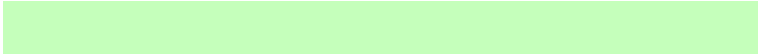
99.6270, 86.9782, 140.3198



105.3465, 86.9782, 85.6677

Sweetspot

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



67.7561, 86.9784, 60.2324



85.8233, 95.6030, 92.2245



82.8019, 90.0320, 60.0288



18.0201, 20.2962, 19.1121



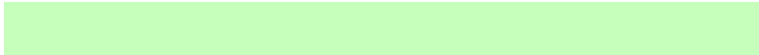
0.0000, 0.0000, 0.0000



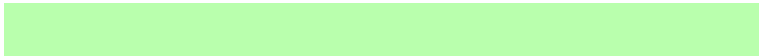
20.3446, 21.4041, 23.3091

Same Dimension

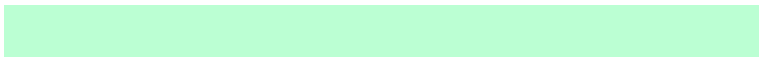
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7561, 86.9784, 60.2324



63.4455, 84.9166, 52.7850



67.9871, 86.7783, 74.6642



18.0201, 20.2962, 19.1121



19.1676, 37.6193, 6.2510



1.9367, 3.6991, 0.6119

Inverse Universe

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



73.4775, 62.1744, 102.7359



70.0330, 56.3157, 101.7866



73.4630, 62.5825, 83.9578



18.5147, 18.1571, 22.7788



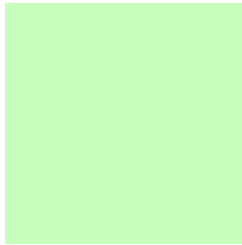
24.5620, 11.5726, 50.3738



2.4599, 1.1620, 4.9079

Previews

White Background



This preview shows how the XYZ color 67.7556, 86.9782, 60.2311 looks on a white background.

Color Contrast Check

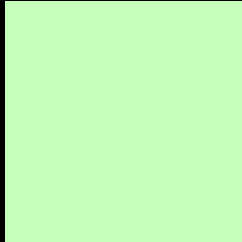
Large Text (above 18pt) WCAG AA × Fail

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 67.7556, 86.9782, 60.2311 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

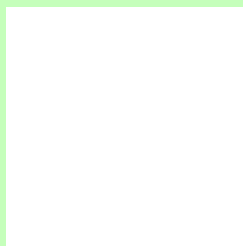
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7556, 86.9782, 60.2311

Background



This preview shows how black text looks on a background with the XYZ color 67.7556, 86.9782, 60.2311.

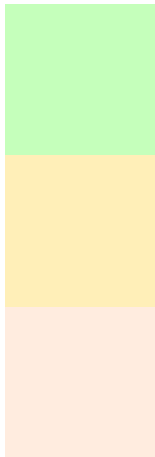


This preview shows how white text looks on a background with the XYZ color 67.7556, 86.9782,

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

67.7556, 86.9782, 60.2311

Protanopia

80.7582, 86.4537, 57.7782

Deuteranopia

84.5547, 86.5786, 82.0669



Tritanopia

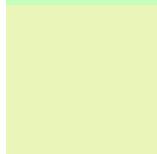
80.2248, 86.8508, 107.1433

Trichromacy



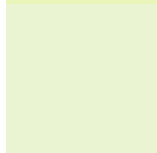
Original Color

67.7556, 86.9782, 60.2311



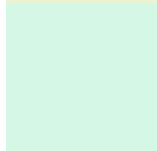
Protanomaly

75.3410, 86.3000, 58.5856



Deuteranomaly

77.6151, 86.2468, 73.5293



Tritanomaly

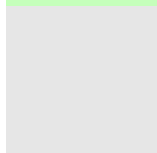
74.9843, 86.3808, 87.5840

Monochromacy



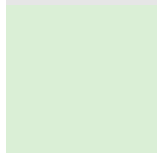
Original Color

67.7556, 86.9782, 60.2311



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9175, 81.4935, 75.5577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7556, 86.9782, 60.2311 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(197, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 187)  
}
```

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(197, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 67.7556, 86.9782, 60.2311 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(197, 255, 187) }
```


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

```
.border{ border-color:rgb(197, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7556, 86.9782, 60.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 187) }
```

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

```
.background{ background-color: rgb(197,  
255, 187) }
```

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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