

Converting Colors

XYZ(79.1124, 109.8948,
71.4285)

Have a look what the booklet for
XYZ(79.1124, 109.8948, 71.4285)
contains.

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Color

**XYZ(67.6712, 86.7665,
67.8245)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFFC8
RGB	191, 255, 200
RGB Percent	75%, 100%, 78%
CMY	0.2510, 0.0000, 0.2157
CMYK	0.25, 0.00, 0.22, 0.00
HSL	128°, 100%, 87%
HSV	128°, 25%, 100%
XYZ	67.6712, 86.7665, 67.8245
YIQ	229.5940, -20.4890, -30.6730

Conversions

Conversions Part 2

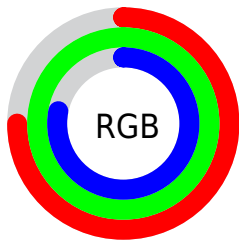
Format	Color
RYB	191, 247, 255
Decimal	12582856
CIELab	94.64, -30.42, 19.95
CIELCh	95, 36.381, 146.745
Yxy	86.7665, 0.3045, 0.3904
Android (android.graphics.Color)	4290772936 (0xFFBFFFC8)
YUV	229.5940, -14.5898, -33.8469
Hunter-Lab	93.1485, -33.3320, 22.0330

Details

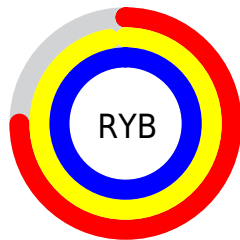
The XYZ color **67.6712, 86.7665, 67.8245** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.5056, 65.1761, 95.7363**, and the grayscale version is **75.0286, 78.9359, 85.9612**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **35.5357, 47.6977, 34.5278** is the 20% darker color. If you saturate the color by 10%, you get **59.4264, 82.7911, 55.0142**, and if you desaturate by 10%, it is **77.4009, 91.4649, 82.6232**.

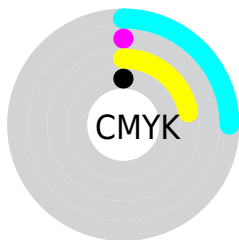
Distribution



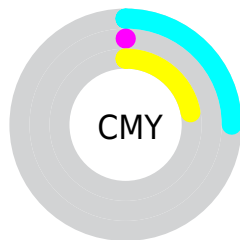
- Red (75%)
- Green (100%)
- Blue (78%)



- Red (75%)
- Yellow (97%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6712, 86.7665, 67.8245 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 67.6712, 86.7665, 67.8245 by changing the saturation by 10% instead.


 67.6712, 86.7665,
67.8245

 67.6712, 86.7665,
67.8245

441.7252,
517.4553, 471.4551

 49.9030, 65.3020,
49.2892


 114.9261,
142.8386, 117.7529

 35.5538, 47.7060,
34.4817


145.1436,
178.2151, 149.9830

 24.2583, 33.5941,
22.9836


180.2415,
218.9976, 187.6152

 15.6511, 22.5820,
14.3762

220.5852,
265.5706, 231.0679

 9.3669, 14.2851,
8.2410

266.5400,
318.3184, 280.7597

 5.0403, 8.3193,
4.1596

318.4714,

 2.3059, 4.2999,

377.6256, 337.1091

1.7133

376.7447,
443.8764, 400.5348

0.7977, 1.8427,
0.3698

0.0000, 0.5136,
0.0000

67.6712, 86.7665,
67.8245

67.6712, 86.7665,
67.8245

59.4264, 82.7911,
55.0142

77.4009, 91.4649,
82.6232

52.5910, 79.5018,
44.1036

88.6818, 96.9188,
99.4856

47.0862, 76.8597,
35.0035

95.0500, 100.0000,
108.9000

42.8240, 74.8215,
27.6157

■ 39.7060, 73.3389,
21.8329

■ 37.6187, 72.3558,
17.5357

■ 36.4239, 71.8039,
14.5876

■ 36.0763, 71.6465,
13.5858

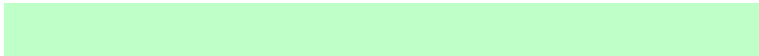
Harmonies

Analogous

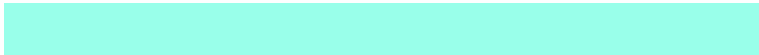
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2635, 86.7665, 53.9574



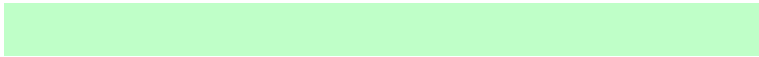
67.6712, 86.7665, 67.8245



65.0241, 86.7665, 91.4379

Triad

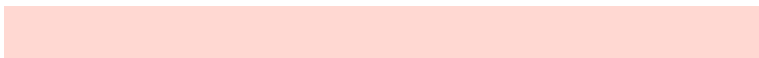
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.6712, 86.7665, 67.8245



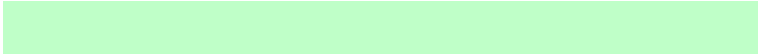
81.4019, 86.7665, 159.3689



100.4982, 86.7665, 72.1767

Complementary

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



67.6712, 86.7665, 67.8245



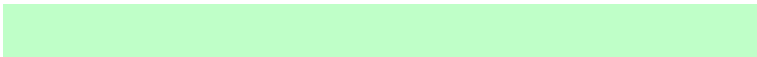
76.5056, 65.1761, 95.7363

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.



102.7843, 86.7665, 97.5766



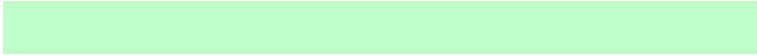
67.6712, 86.7665, 67.8245



91.2576, 86.7665, 151.4333

Square

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



67.6712, 86.7665, 67.8245



72.5460, 86.7665, 147.2683



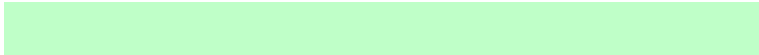
99.2805, 86.7665, 127.3235



93.2579, 86.7665, 56.0978

Rectangle

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



67.6712, 86.7665, 67.8245



65.6834, 86.7665, 110.9190



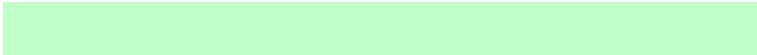
99.2805, 86.7665, 127.3235



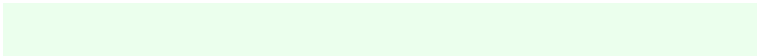
101.8952, 86.7665, 79.7404

Sweetspot

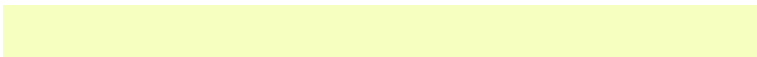
The Sweet Spot groups the original color and five complimentary colors.



67.6718, 86.7668, 67.8259



85.2437, 95.2560, 94.3739



83.3342, 94.9590, 63.2279



17.8756, 20.2098, 19.6479



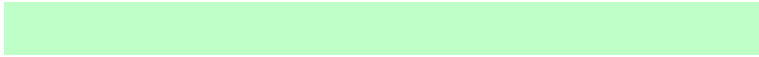
0.0000, 0.0000, 0.0000



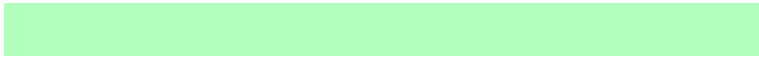
20.3446, 21.4041, 23.3091

Same Dimension

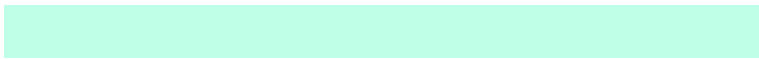
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6718, 86.7668, 67.8259



63.4485, 84.7296, 61.3018



71.7456, 88.3963, 89.2781



17.8756, 20.2098, 19.6479



18.8820, 37.4494, 7.2639



1.8684, 3.6583, 0.8651

Inverse Universe

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



76.5056, 65.1761, 95.7363



73.6259, 59.8465, 93.4512



72.0686, 63.4013, 72.3712



18.6763, 18.2538, 22.1786



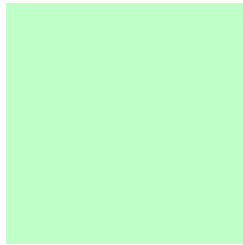
28.2816, 13.8019, 36.4629



2.7826, 1.3554, 3.7024

Previews

White Background



This preview shows how the XYZ color 67.6712, 86.7665, 67.8245 looks on a white background.

Color Contrast Check

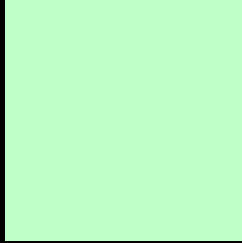
Large Text (above 18pt) WCAG AA × Fail

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 67.6712, 86.7665, 67.8245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

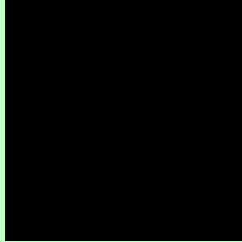
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

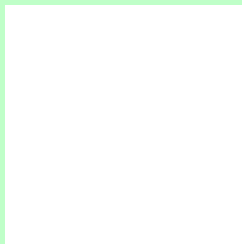
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6712, 86.7665, 67.8245

Background



This preview shows how black text looks on a background with the XYZ color 67.6712, 86.7665, 67.8245.



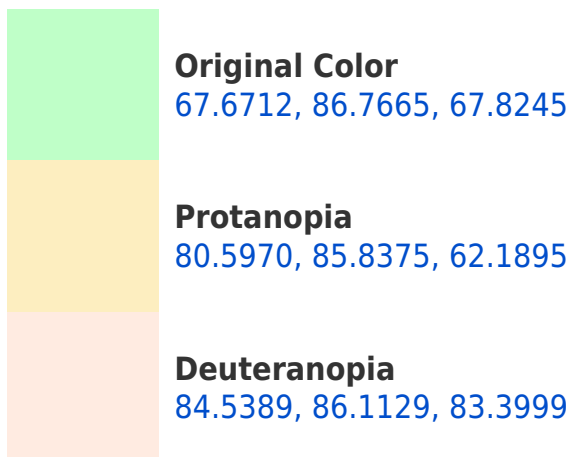
This preview shows how white text looks on a background with the XYZ color 67.6712, 86.7665,

67.8245.

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





Tritanopia

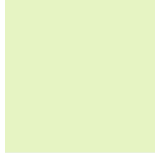
79.3140, 86.3813, 107.1007

Trichromacy



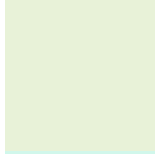
Original Color

67.6712, 86.7665, 67.8245



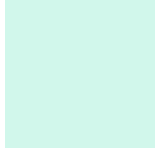
Protanomaly

74.8341, 85.4645, 64.1819



Deuteranomaly

77.4255, 85.6179, 77.4109



Tritanomaly

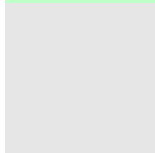
74.5507, 86.0750, 91.2822

Monochromacy



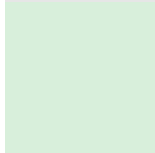
Original Color

67.6712, 86.7665, 67.8245



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9716, 81.4464, 78.9453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6712, 86.7665, 67.8245 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 67.6712, 86.7665, 67.8245 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, 200) }
```


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

```
.border{ border-color:rgb(191, 255, 200) }
```

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, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6712, 86.7665, 67.8245 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, 200) }
```

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

```
.background{ background-color: rgb(191,  
255, 200) }
```

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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