

Converting Colors

XYZ(67.2021, 86.1517, 84.1095)

Have a look what the booklet for
XYZ(67.2021, 86.1517, 84.1095)
contains.

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Color

**XYZ(67.2551, 86.1863,
84.3251)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFE1
RGB	176, 255, 225
RGB Percent	69%, 100%, 88%
CMY	0.3098, 0.0000, 0.1176
CMYK	0.31, 0.00, 0.12, 0.00
HSL	157°, 100%, 85%
HSV	157°, 31%, 100%
XYZ	67.2551, 86.1863, 84.3251
YIQ	227.9590, -37.4540, -26.0780

Conversions

Conversions Part 2

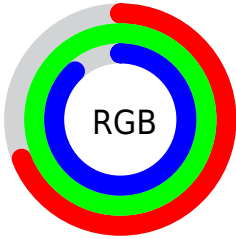
Format	Color
RYB	176, 225, 255
Decimal	11599841
CIELab	94.39, -30.27, 6.66
CIELCh	94, 31.000, 167.585
Yxy	86.1863, 0.2829, 0.3625
Android (android.graphics.Color)	4289789921 (0xFFB0FFE1)
YUV	227.9590, -1.4588, -45.5680
Hunter-Lab	92.8366, -33.1504, 11.1315

Details

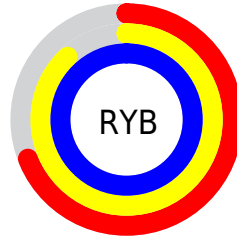
The XYZ color **67.2551, 86.1863, 84.3251** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.9065, 56.7680, 65.7712**, and the grayscale version is **73.7426, 77.5830, 84.4879**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **35.3349, 47.3554, 45.3084** is the 20% darker color. If you saturate the color by 10%, you get **60.7371, 82.9745, 77.3195**, and if you desaturate by 10%, it is **74.9327, 89.9873, 91.7789**.

Distribution



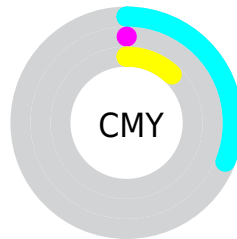
- Red (69%)
- Green (100%)
- Blue (88%)



- Red (69%)
- Yellow (88%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2551, 86.1863, 84.3251 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 67.2551, 86.1863, 84.3251 by changing the saturation by 10% instead.

67.2551, 86.1863,
84.3251

67.2551, 86.1863,
84.3251

440.2705,
515.5453, 529.4784

49.5634, 64.8220,
62.7369

114.3336,
142.0294, 141.2956

35.2830, 47.3168,
45.1888

144.4512,
177.2771, 177.5151

24.0485, 33.2862,
31.2621

179.4415,
217.9214, 219.4487

15.4945, 22.3458,
20.5384

219.6698,
264.3466, 267.5151

9.2558, 14.1112,
12.5991

265.5015,
316.9372, 322.1327

4.9668, 8.1980,
7.0256

317.3019,

2.2624, 4.2219,

376.0776, 383.7201

3.3994

375.4365,
442.1522, 452.6958

■ 0.7753, 1.7985,
1.3020

■ 0.0000, 0.4862,
0.0634

■ 67.2551, 86.1863,
84.3251

■ 67.2551, 86.1863,
84.3251

■ 60.7371, 82.9745,
77.3195

■ 74.9327, 89.9873,
91.7789

■ 55.3142, 80.3187,
70.7484

■ 83.8245, 94.4054,
99.6856

■ 50.9191, 78.1844,
64.6035

■ 93.9848, 99.4685,
108.0551

■ 47.4758, 76.5326,
58.8746

■ 95.0500, 100.0000,
108.9000

■ 44.8974, 75.3185,
53.5505

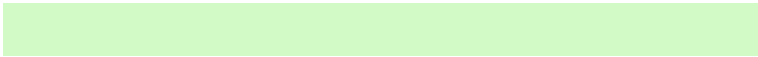
■ 43.0795, 74.4886,
48.6193

■ 41.9460, 73.9944,
44.4951

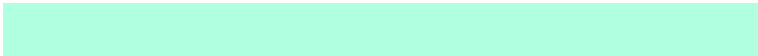
Harmonies

Analogous

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



70.6567, 86.1863, 66.1876



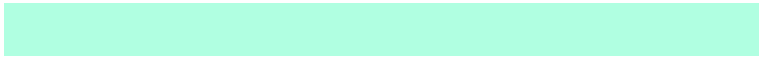
67.2551, 86.1863, 84.3251



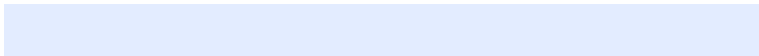
67.5833, 86.1863, 108.3879

Triad

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



67.2551, 86.1863, 84.3251



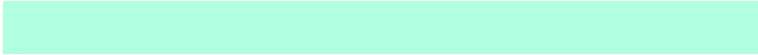
86.8503, 86.1863, 144.6905



93.1981, 86.1863, 63.8975

Complementary

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



67.2551, 86.1863, 84.3251



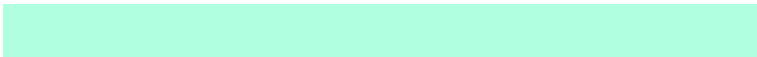
67.9065, 56.7680, 65.7712

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.



98.1474, 86.1863, 80.6599



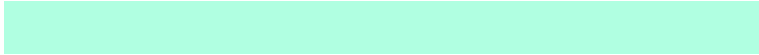
67.2551, 86.1863, 84.3251



94.3153, 86.1863, 128.2923

Square

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



67.2551, 86.1863, 84.3251



78.5232, 86.1863, 146.1237



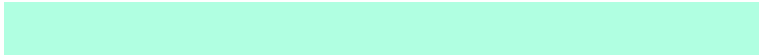
98.5696, 86.1863, 104.0498



85.4082, 86.1863, 55.8068

Rectangle

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



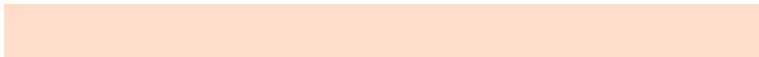
67.2551, 86.1863, 84.3251



69.8736, 86.1863, 124.6798



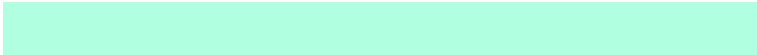
98.5696, 86.1863, 104.0498



95.2714, 86.1863, 68.5613

Sweetspot

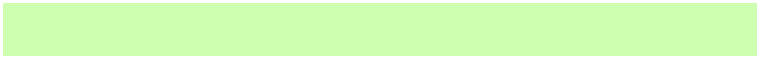
The Sweet Spot groups the original color and five complimentary colors.



67.2560, 86.1868, 84.3265



85.7333, 95.3555, 101.3052



69.1295, 87.8173, 54.3826



18.0491, 20.2600, 21.4283



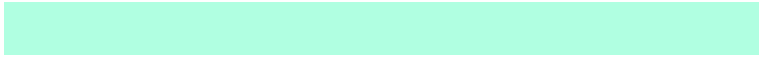
0.0000, 0.0000, 0.0000



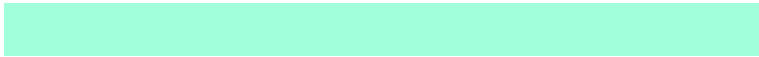
20.3446, 21.4041, 23.3091

Same Dimension

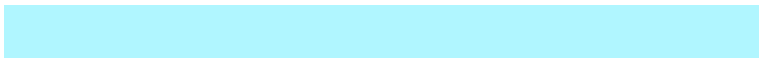
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2560, 86.1868, 84.3265



63.1964, 84.1843, 80.0551



68.8451, 82.2304, 106.8513



18.2453, 20.3577, 21.5948



21.9927, 38.6937, 23.6447



2.1946, 3.7888, 2.5825

Inverse Universe

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



67.9065, 56.7680, 65.7712



63.9421, 50.6349, 58.9136



66.4715, 59.1843, 48.9959



18.2947, 18.1012, 20.1693



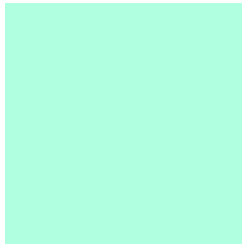
22.7390, 11.5849, 7.2758



2.2652, 1.1484, 0.9778

Previews

White Background



This preview shows how the XYZ color 67.2551, 86.1863, 84.3251 looks on a white background.

Color Contrast Check

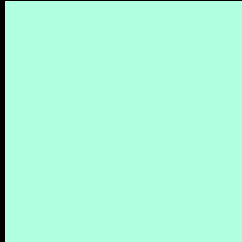
Large Text (above 18pt) WCAG AA × Fail

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 67.2551, 86.1863, 84.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

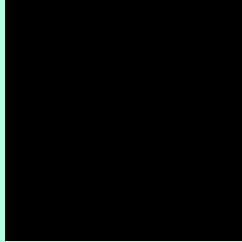
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

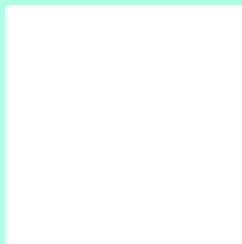
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2551, 86.1863, 84.3251

Background



This preview shows how black text looks on a background with the XYZ color 67.2551, 86.1863, 84.3251.



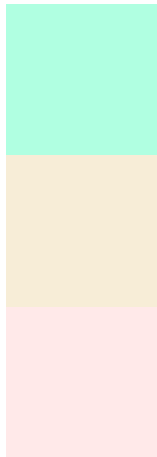
This preview shows how white text looks on a background with the XYZ color 67.2551, 86.1863,

84.3251.

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

67.2551, 86.1863, 84.3251

Protanopia

80.9077, 85.2488, 76.4804

Deuteranopia

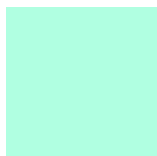
85.0869, 85.4210, 89.0941



Tritanopia

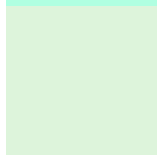
77.5521, 85.9184, 107.1042

Trichromacy



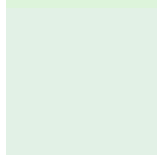
Original Color

67.2551, 86.1863, 84.3251



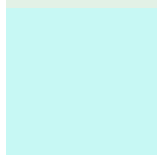
Protanomaly

74.9557, 85.1880, 79.5102



Deuteranomaly

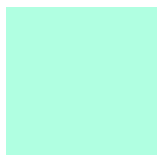
77.1023, 84.7925, 87.1658



Tritanomaly

73.4497, 85.8086, 98.2794

Monochromacy



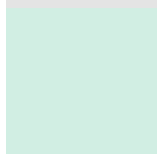
Original Color

67.2551, 86.1863, 84.3251



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.7342, 80.2504, 84.4348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2551, 86.1863, 84.3251 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(176, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 225)  
}
```

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(176, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 67.2551, 86.1863, 84.3251 is called "border". The border property can be set on classes, ids or directly on the HTML element.

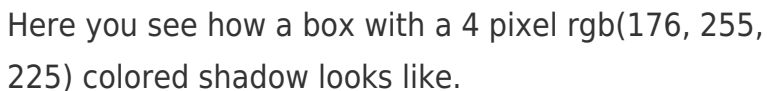
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 255, 225) }
```


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

```
.border{ border-color:rgb(176, 255, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 225); box-shadow:4px 4px 4px 4px rgb(176, 255, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2551, 86.1863, 84.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 225) }
```

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

```
.background{ background-color: rgb(176,  
255, 225) }
```

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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