

Converting Colors

XYZ(67.2738, 86.2597, 81.4458)

Have a look what the booklet for
XYZ(67.2738, 86.2597, 81.4458)
contains.

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Color

**XYZ(67.4016, 86.3242,
81.5164)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFDD
RGB	179, 255, 221
RGB Percent	70%, 100%, 87%
CMY	0.2980, 0.0000, 0.1333
CMYK	0.30, 0.00, 0.13, 0.00
HSL	153°, 100%, 85%
HSV	153°, 30%, 100%
XYZ	67.4016, 86.3242, 81.5164
YIQ	228.4000, -34.3820, -26.6860

Conversions

Conversions Part 2

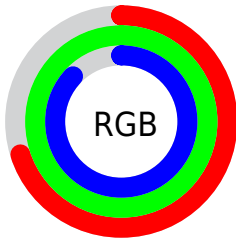
Format	Color
RYB	179, 228, 255
Decimal	11796445
CIELab	94.45, -30.21, 8.83
CIELCh	94, 31.469, 163.707
Yxy	86.3242, 0.2865, 0.3670
Android (android.graphics.Color)	4289986525 (0xFFB3FFDD)
YUV	228.4000, -3.6482, -43.3238
Hunter-Lab	92.9108, -33.1022, 13.0188

Details

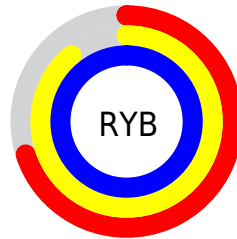
The XYZ color **67.4016, 86.3242, 81.5164** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.3709, 58.3053, 70.5490**, and the grayscale version is **74.0794, 77.9373, 84.8738**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.3892, 47.4264, 43.3654** is the 20% darker color. If you saturate the color by 10%, you get **60.5743, 82.9743, 73.5312**, and if you desaturate by 10%, it is **75.4236, 90.2780, 90.0995**.

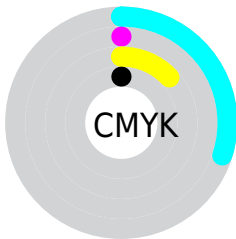
Distribution



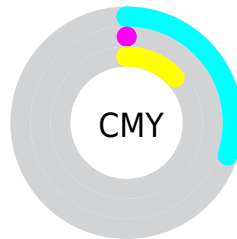
- Red (70%)
- Green (100%)
- Blue (87%)



- Red (70%)
- Yellow (89%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4016, 86.3242, 81.5164 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 67.4016, 86.3242, 81.5164 by changing the saturation by 10% instead.

67.4016, 86.3242,
81.5164

67.4016, 86.3242,
81.5164

440.7830,
515.9996, 519.8695

49.6830, 64.9361,
60.4335

114.5423,
142.2218, 137.3262

35.3783, 47.4093,
43.3406

144.6951,
177.5001, 172.8902

24.1223, 33.3593,
29.8190

179.7233,
218.1773, 214.1183

15.5496, 22.4018,
19.4504

219.9922,
264.6377, 261.4291

9.2948, 14.1525,
11.8161

265.8673,
317.2657, 315.2411

4.9926, 8.2268,
6.4975

317.7139,

2.2777, 4.2404,

376.4458, 375.9728

3.0763

375.8973,
442.5623, 444.0427

■ 0.7832, 1.8089,
1.1337

■ 0.0000, 0.4927,
0.0000

■ 67.4016, 86.3242,
81.5164

■ 67.4016, 86.3242,
81.5164

■ 60.5743, 82.9743,
73.5312

■ 75.4236, 90.2780,
90.0995

■ 54.8771, 80.1952,
66.1260

■ 84.6953, 94.8640,
99.2891

■ 50.2426, 77.9526,
59.2881

■ 95.0500, 100.0000,
108.9000

■ 46.5952, 76.2077,
53.0027

■ 43.8483, 74.9160,
47.2541

■ 41.8992, 74.0249,
42.0251

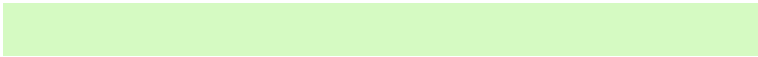
■ 40.5851, 73.4508,
37.2957

■ 40.5621, 73.4408,
37.2073

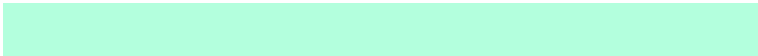
Harmonies

Analogous

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



71.3119, 86.3242, 64.1719



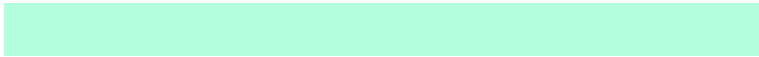
67.4016, 86.3242, 81.5164



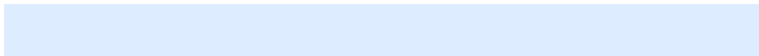
67.2350, 86.3242, 105.4718

Triad

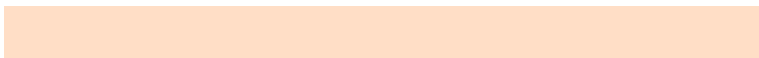
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.4016, 86.3242, 81.5164



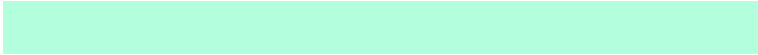
85.9646, 86.3242, 146.9188



94.3810, 86.3242, 65.3318

Complementary

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



67.4016, 86.3242, 81.5164



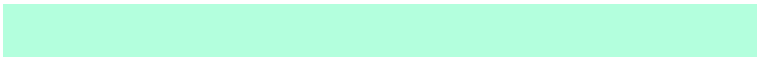
69.3709, 58.3053, 70.5490

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.



98.8922, 86.3242, 83.3776



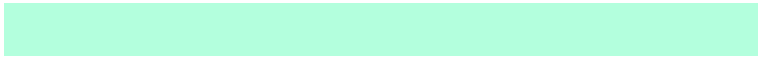
67.4016, 86.3242, 81.5164



93.8121, 86.3242, 131.8603

Square

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



67.4016, 86.3242, 81.5164



77.5681, 86.3242, 146.1869



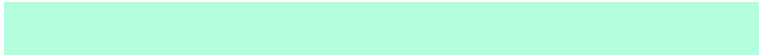
98.6772, 86.3242, 107.6805



86.6983, 86.3242, 55.9860

Rectangle

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



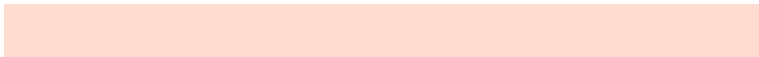
67.4016, 86.3242, 81.5164



69.2442, 86.3242, 122.2949



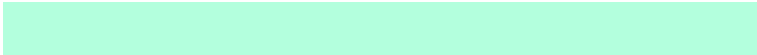
98.6772, 86.3242, 107.6805



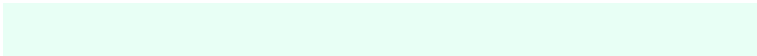
96.3414, 86.3242, 70.4326

Sweetspot

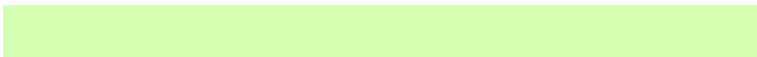
The Sweet Spot groups the original color and five complimentary colors.



67.4024, 86.3246, 81.5178



85.4957, 95.2605, 100.0538



71.3960, 88.9510, 56.0555



17.9905, 20.2365, 21.1197



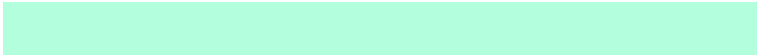
0.0000, 0.0000, 0.0000



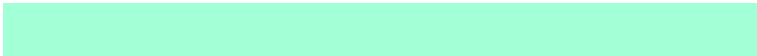
20.3446, 21.4041, 23.3091

Same Dimension

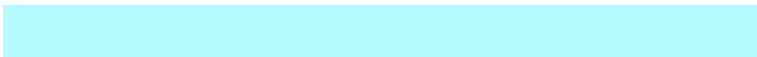
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4024, 86.3246, 81.5178



63.0342, 84.1793, 76.4992



71.2007, 85.9235, 107.4400



18.1917, 20.3362, 21.3127



21.2709, 38.4050, 19.8439



2.1261, 3.7614, 2.2221

Inverse Universe

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



69.3709, 58.3053, 70.5490



65.3039, 51.8979, 63.8705



66.2697, 58.3003, 50.4094



18.3471, 18.1222, 20.4450



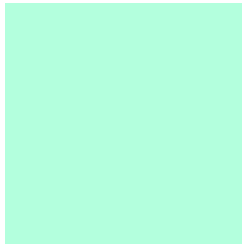
23.2107, 11.7736, 9.7600



2.3140, 1.1680, 1.2349

Previews

White Background



This preview shows how the XYZ color 67.4016, 86.3242, 81.5164 looks on a white background.

Color Contrast Check

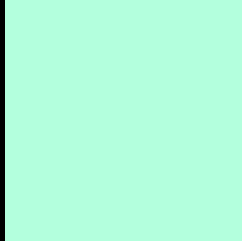
Large Text (above 18pt) WCAG AA × Fail

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 67.4016, 86.3242, 81.5164 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 67.4016, 86.3242, 81.5164

Background



This preview shows how black text looks on a background with the XYZ color 67.4016, 86.3242, 81.5164.



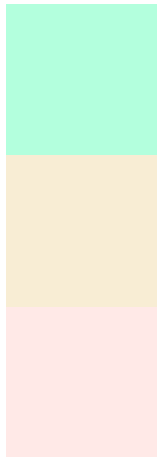
This preview shows how white text looks on a background with the XYZ color 67.4016, 86.3242,

81.5164.

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

67.4016, 86.3242, 81.5164

Protanopia

80.8793, 85.2783, 74.4849

Deuteranopia

84.8027, 85.3073, 87.5977



Tritanopia

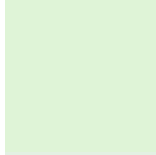
77.8413, 86.0675, 107.1178

Trichromacy



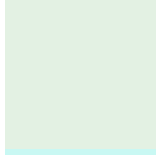
Original Color

67.4016, 86.3242, 81.5164



Protanomaly

75.0479, 85.2956, 76.7982



Deuteranomaly

76.9990, 84.7875, 84.9804



Tritanomaly

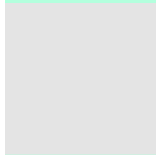
73.8325, 86.0234, 97.5068

Monochromacy



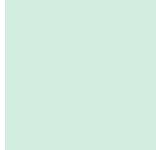
Original Color

67.4016, 86.3242, 81.5164



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.7435, 80.2870, 83.0025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4016, 86.3242, 81.5164 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(179, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 221)  
}
```

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(179, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 67.4016, 86.3242, 81.5164 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(179, 255, 221) }
```


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

```
.border{ border-color:rgb(179, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4016, 86.3242, 81.5164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 221) }
```

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

```
.background{ background-color: rgb(179,  
255, 221) }
```

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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