

Converting Colors

XYZ(68.2194, 86.8472, 76.9729)

Have a look what the booklet for
XYZ(68.2194, 86.8472, 76.9729)
contains.

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Color

**XYZ(68.1473, 86.8141,
76.7834)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFD6
RGB	186, 255, 214
RGB Percent	73%, 100%, 84%
CMY	0.2706, 0.0000, 0.1608
CMYK	0.27, 0.00, 0.16, 0.00
HSL	144°, 100%, 86%
HSV	144°, 27%, 100%
XYZ	68.1473, 86.8141, 76.7834
YIQ	229.6950, -27.9630, -27.3790

Conversions

Conversions Part 2

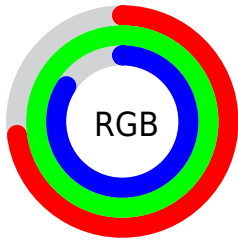
Format	Color
RYB	186, 235, 255
Decimal	12255190
CIELab	94.66, -29.47, 12.77
CIELCh	95, 32.115, 156.564
Yxy	86.8141, 0.2941, 0.3746
Android (android.graphics.Color)	4290445270 (0xFFBAFFD6)
YUV	229.6950, -7.7376, -38.3205
Hunter-Lab	93.1741, -32.5002, 16.3618

Details

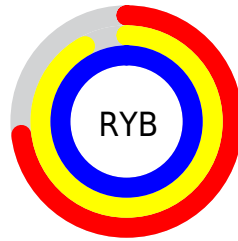
The XYZ color **68.1473, 86.8141, 76.7834** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.6645, 61.9247, 80.7959**, and the grayscale version is **75.0582, 78.9671, 85.9952**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **35.8122, 47.7167, 40.1236** is the 20% darker color. If you saturate the color by 10%, you get **60.6492, 83.1620, 66.7970**, and if you desaturate by 10%, it is **76.9324, 91.1089, 87.7725**.

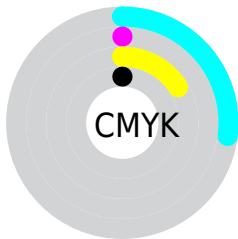
Distribution



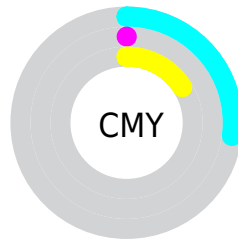
- Red (73%)
- Green (100%)
- Blue (84%)



- Red (73%)
- Yellow (92%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1473, 86.8141, 76.7834 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 68.1473, 86.8141, 76.7834 by changing the saturation by 10% instead.


 68.1473, 86.8141,
76.7834

 68.1473, 86.8141,
76.7834


443.3863,
517.6118, 503.4432

 50.2917, 65.3414,
56.5646


 115.6036,
142.9050, 130.6039

 35.8640, 47.7379,
40.2488


145.9350,
178.2920, 165.0427

 24.4988, 33.6194,
27.4173

181.1557,
219.0858, 205.0586

 15.8308, 22.6014,
17.6517

221.6311,
265.6709, 251.0701

 9.4946, 14.2994,
10.5333

267.7265,
318.4316, 303.4958

 5.1248, 8.3292,
5.6438

319.8072,

 2.3562, 4.3063,

377.7525, 362.7542

2.5645

378.2387,
444.0177, 429.2638

■ 0.8232, 1.8464,
0.8740

■ 0.0000, 0.5158,
0.0000

■ 68.1473, 86.8141,
76.7834

■ 68.1473, 86.8141,
76.7834

■ 60.6492, 83.1620,
66.7970

■ 76.9324, 91.1089,
87.7725

■ 54.3721, 80.1191,
57.7806

■ 87.0614, 96.0751,
99.7873

■ 49.2475, 77.6507,
49.7058

95.0500, 100.0000,
108.9000

■ 45.1988, 75.7179,
42.5410

■ 42.1393, 74.2767,
36.2529

■ 39.9681, 73.2757,
30.8058

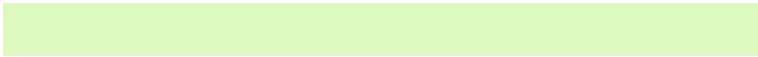
■ 38.5574, 72.6498,
26.1610

■ 38.2324, 72.5090,
24.9396

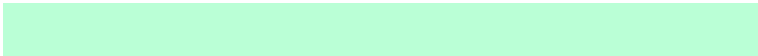
Harmonies

Analogous

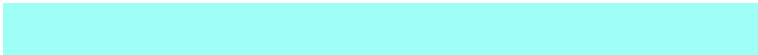
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9783, 86.8141, 61.1363



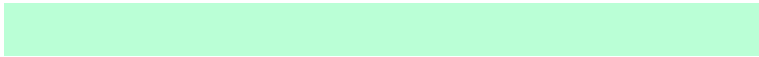
68.1473, 86.8141, 76.7834



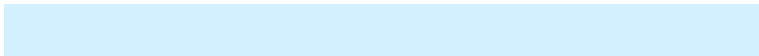
67.0392, 86.8141, 100.0877

Triad

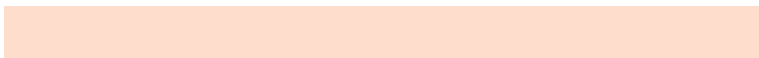
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1473, 86.8141, 76.7834



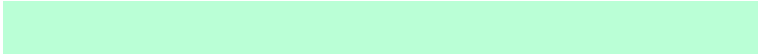
84.4341, 86.8141, 150.3181



96.6382, 86.8141, 68.8463

Complementary

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



68.1473, 86.8141, 76.7834



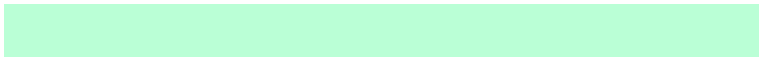
72.6645, 61.9247, 80.7959

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.



100.2043, 86.8141, 89.1739



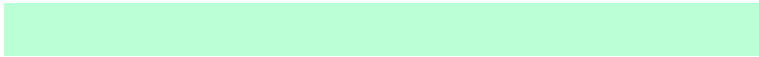
68.1473, 86.8141, 76.7834



92.8466, 86.8141, 138.2821

Square

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



68.1473, 86.8141, 76.7834



76.0611, 86.8141, 145.4333



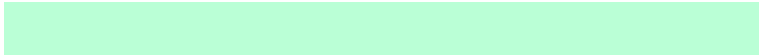
98.7705, 86.8141, 114.8102



89.3223, 86.8141, 57.1458

Rectangle

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



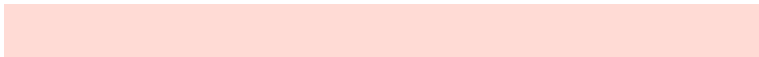
68.1473, 86.8141, 76.7834



68.4862, 86.8141, 117.5189



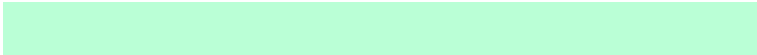
98.7705, 86.8141, 114.8102



98.3377, 86.8141, 74.7463

Sweetspot

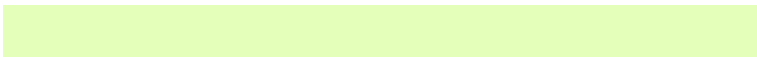
The Sweet Spot groups the original color and five complimentary colors.



68.1481, 86.8145, 76.7848



86.0483, 95.5779, 98.6110



76.4283, 91.4614, 60.0811



18.0771, 20.2904, 20.7088



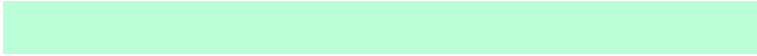
0.0000, 0.0000, 0.0000



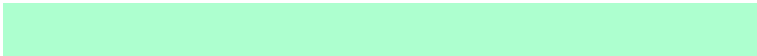
20.3446, 21.4041, 23.3091

Same Dimension

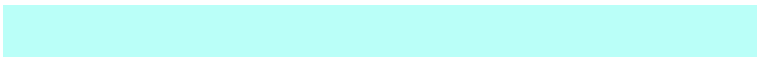
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1481, 86.8145, 76.7848



64.2853, 84.9312, 71.7256



72.9690, 88.7429, 102.1717



18.0771, 20.2904, 20.7088



20.0466, 37.9152, 13.3966



2.0043, 3.7127, 1.5807

Inverse Universe

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



72.6645, 61.9247, 80.7959



69.4299, 56.5686, 76.2866



68.4140, 60.2246, 58.4134



18.4624, 18.1683, 21.0522



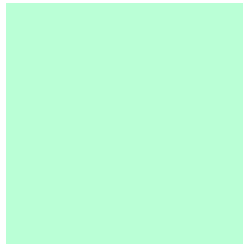
24.5655, 12.3155, 16.8944



2.4460, 1.2208, 1.9303

Previews

White Background



This preview shows how the XYZ color 68.1473, 86.8141, 76.7834 looks on a white background.

Color Contrast Check

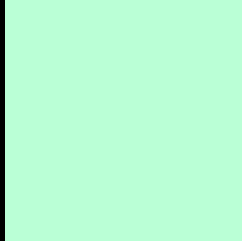
Large Text (above 18pt) WCAG AA × Fail

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 68.1473, 86.8141, 76.7834 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 68.1473, 86.8141, 76.7834

Background



This preview shows how black text looks on a background with the XYZ color 68.1473, 86.8141, 76.7834.



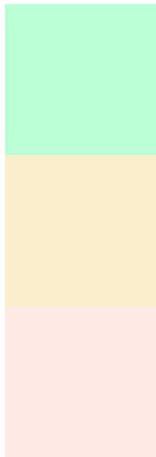
This preview shows how white text looks on a background with the XYZ color 68.1473, 86.8141,

76.7834.

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

68.1473, 86.8141, 76.7834

Protanopia

81.3776, 86.0661, 70.0810

Deuteranopia

85.0912, 86.3338, 86.3080



Tritanopia

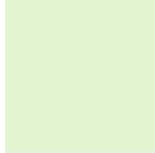
79.0160, 86.6731, 107.1727

Trichromacy



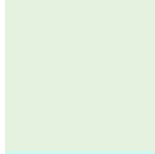
Original Color

68.1473, 86.8141, 76.7834



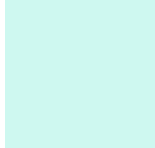
Protanomaly

75.4144, 85.5863, 72.2196



Deuteranomaly

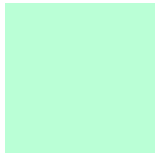
77.8398, 85.7091, 82.9619



Tritanomaly

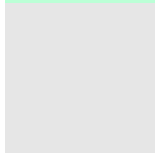
74.7492, 86.5479, 95.2038

Monochromacy



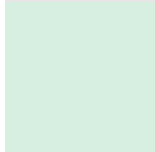
Original Color

68.1473, 86.8141, 76.7834



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0526, 81.4110, 82.4373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1473, 86.8141, 76.7834 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(186, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 214)  
}
```

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(186, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 68.1473, 86.8141, 76.7834 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(186, 255, 214) }
```


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

```
.border{ border-color:rgb(186, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(186, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1473, 86.8141, 76.7834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 214) }
```

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

```
.background{ background-color: rgb(186,  
255, 214) }
```

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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