

Converting Colors

XYZ(76.3138, 90.9283, 81.4969)

Have a look what the booklet for
XYZ(76.3138, 90.9283, 81.4969)
contains.

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Color

**XYZ(76.4098, 90.9834,
81.2445)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FFDC
RGB	214, 255, 220
RGB Percent	84%, 100%, 86%
CMY	0.1608, 0.0000, 0.1372
CMYK	0.16, 0.00, 0.14, 0.00
HSL	129°, 100%, 92%
HSV	129°, 16%, 100%
XYZ	76.4098, 90.9834, 81.2445
YIQ	238.7510, -13.2010, -19.5770

Conversions

Conversions Part 2

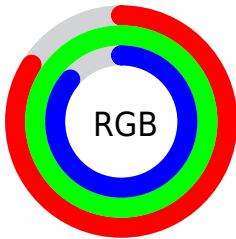
Format	Color
R_{YB}	214, 250, 255
Decimal	14090204
CIE _{Lab}	96.40, -19.58, 12.40
CIE _{LCh}	96, 23.176, 147.662
Y _{xy}	90.9834, 0.3073, 0.3659
Android (android.graphics.Color)	4292280284 (0xFFD6FFDC)
YUV	238.7510, -9.2442, -21.7066
Hunter-Lab	95.3852, -23.9340, 16.2693

Details

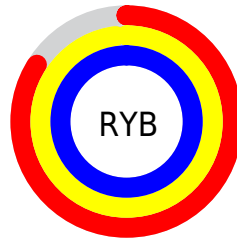
The XYZ color **76.4098, 90.9834, 81.2445** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.3858, 76.1934, 99.9867**, and the grayscale version is **81.9269, 86.1935, 93.8647**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2837, 50.4757, 43.1642** is the 20% darker color. If you saturate the color by 10%, you get **66.8429, 86.3632, 66.7146**, and if you desaturate by 10%, it is **87.5186, 96.3551, 97.8090**.

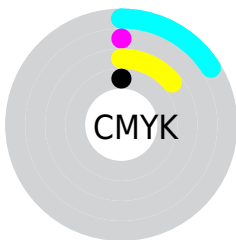
Distribution



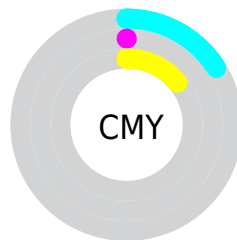
- Red (84%)
- Green (100%)
- Blue (86%)



- Red (84%)
- Yellow (98%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4098, 90.9834, 81.2445 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 76.4098, 90.9834, 81.2445 by changing the saturation by 10% instead.


 76.4098, 90.9834,
81.2445

 76.4098, 90.9834,
81.2445

471.6722,
531.2246, 518.9340

 57.0668, 68.7966,
60.2108


127.2833,
148.7036, 136.9412

 41.2993, 50.5460,
43.1622


159.5445,
185.0058, 172.4413

 28.7417, 35.8475,
29.6800


196.8426,
226.7819, 213.6005

 19.0288, 24.3164,
19.3459

239.5428,
274.4163, 260.8376

 11.7952, 15.5685,
11.7411

288.0105,
328.2933, 314.5709

 6.6756, 9.2193,
6.4473

342.6110,

 3.3046, 4.8845,

388.7975, 375.2190

3.0457

403.7098,
456.3131, 443.2006

■ 1.3168, 2.1797,
1.1180

■ 0.1957, 0.7089,
0.0000

■ 76.4098, 90.9834,
81.2445

■ 76.4098, 90.9834,
81.2445

■ 66.8429, 86.3632,
66.7146

■ 87.5186, 96.3551,
97.8090

■ 58.7473, 82.4598,
54.1367

95.0500, 100.0000,
108.9000

■ 52.0500, 79.2373,
43.4288

■ 46.6711, 76.6564,
34.5015

■ 42.5223, 74.6736,
27.2583

■ 39.5044, 73.2401,
21.5930

■ 37.5023, 72.2990,
17.3879

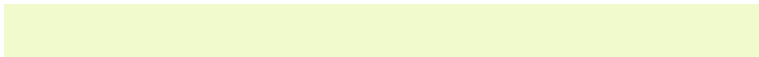
■ 36.3756, 71.7807,
14.5081

■ 36.0990, 71.6556,
13.7052

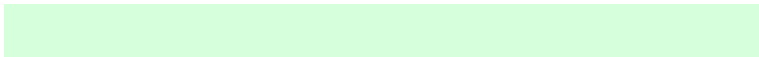
Harmonies

Analogous

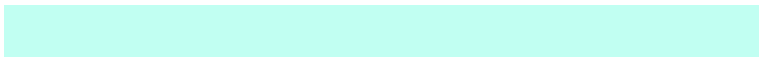
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8426, 90.9834, 70.8033



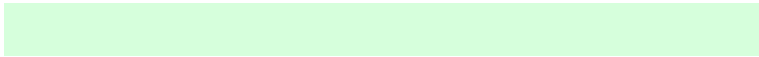
76.4098, 90.9834, 81.2445



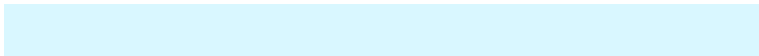
74.6606, 90.9834, 97.6229

Triad

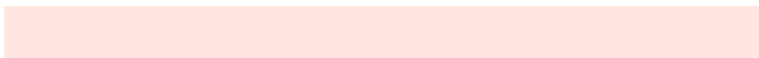
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4098, 90.9834, 81.2445



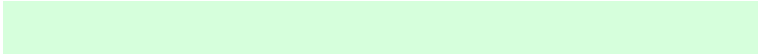
85.9718, 90.9834, 138.9891



97.9407, 90.9834, 83.4643

Complementary

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



76.4098, 90.9834, 81.2445



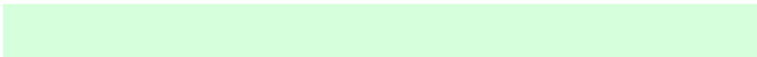
82.3858, 76.1934, 99.9867

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.



99.4786, 90.9834, 100.5222



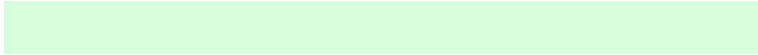
76.4098, 90.9834, 81.2445



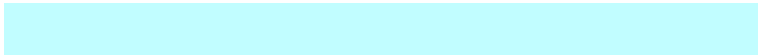
92.3673, 90.9834, 133.9960

Square

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



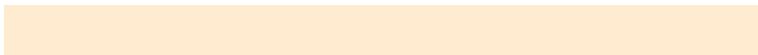
76.4098, 90.9834, 81.2445



80.0073, 90.9834, 132.2308



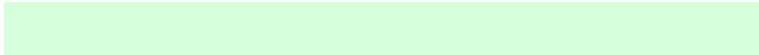
97.3917, 90.9834, 119.3186



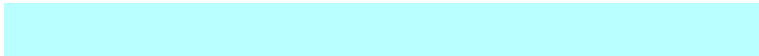
93.2864, 90.9834, 71.9684

Rectangle

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



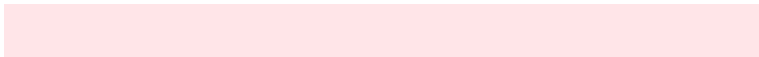
76.4098, 90.9834, 81.2445



75.1829, 90.9834, 110.2449



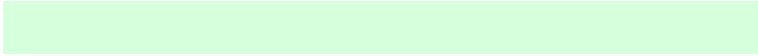
97.3917, 90.9834, 119.3186



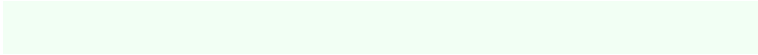
98.8491, 90.9834, 88.6686

Sweetspot

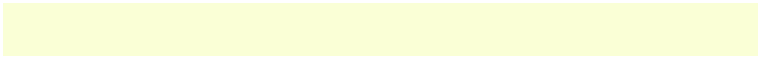
The Sweet Spot groups the original color and five complimentary colors.



76.4105, 90.9838, 81.2459



88.8106, 96.9802, 99.7186



87.1552, 96.6130, 77.6740



18.8284, 20.6703, 21.0768



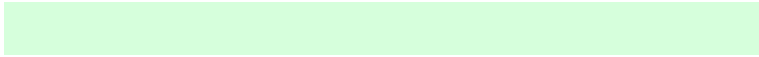
0.0000, 0.0000, 0.0000



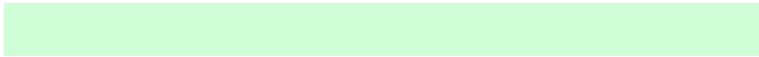
20.3446, 21.4041, 23.3091

Same Dimension

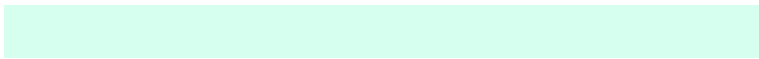
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4105, 90.9838, 81.2459



73.4584, 89.5574, 76.7929



79.2153, 92.1057, 96.0156



17.8799, 20.2115, 19.6703



18.8949, 37.4545, 7.3316



1.8704, 3.6591, 0.8756

Inverse Universe

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



82.3858, 76.1934, 99.9867



80.3731, 72.4396, 98.4790



79.4346, 75.0130, 84.4462



18.6716, 18.2520, 22.1539



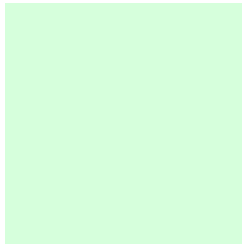
28.1829, 13.7624, 35.9431



2.7739, 1.3519, 3.6567

Previews

White Background



This preview shows how the XYZ color 76.4098, 90.9834, 81.2445 looks on a white background.

Color Contrast Check

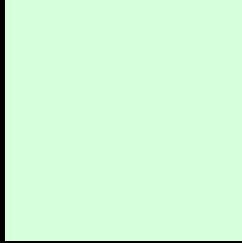
Large Text (above 18pt) WCAG AA × Fail

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 76.4098, 90.9834, 81.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

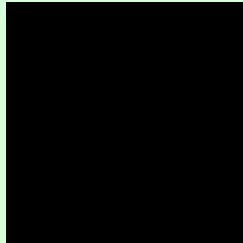
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

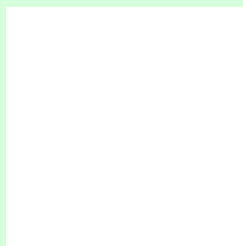
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.4098, 90.9834, 81.2445

Background



This preview shows how black text looks on a background with the XYZ color 76.4098, 90.9834, 81.2445.



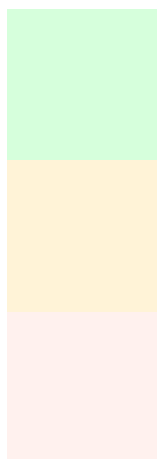
This preview shows how white text looks on a background with the XYZ color 76.4098, 90.9834,

81.2445.

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

76.4098, 90.9834, 81.2445

Protanopia

85.5563, 90.2675, 77.2040

Deuteranopia

88.1279, 90.3436, 93.6821



Tritanopia

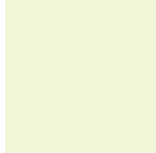
85.2667, 90.7937, 107.6386

Trichromacy



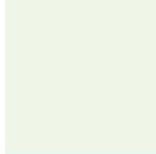
Original Color

76.4098, 90.9834, 81.2445



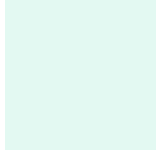
Protanomaly

81.7203, 90.0565, 78.7212



Deuteranomaly

83.3148, 90.2063, 88.6217



Tritanomaly

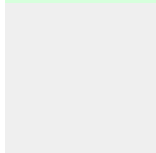
81.5812, 90.4931, 97.1715

Monochromacy



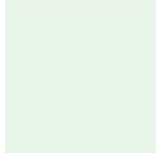
Original Color

76.4098, 90.9834, 81.2445



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.8510, 87.9540, 89.1122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4098, 90.9834, 81.2445 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(214, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 220)  
}
```

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(214, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 76.4098, 90.9834, 81.2445 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(214, 255, 220) }
```


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

```
.border{ border-color:rgb(214, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4098, 90.9834, 81.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 220) }
```

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

```
.background{ background-color: rgb(214,  
255, 220) }
```

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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