

Converting Colors

XYZ(80.4562, 101.2760,
83.5063)

Have a look what the booklet for
XYZ(80.4562, 101.2760, 83.5063)
contains.

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Color

**XYZ(74.8236, 90.1504,
81.8638)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FFDD
RGB	208, 255, 221
RGB Percent	82%, 100%, 87%
CMY	0.1843, 0.0000, 0.1333
CMYK	0.18, 0.00, 0.13, 0.00
HSL	137°, 100%, 91%
HSV	137°, 18%, 100%
XYZ	74.8236, 90.1504, 81.8638
YIQ	237.0710, -17.0980, -20.5380

Conversions

Conversions Part 2

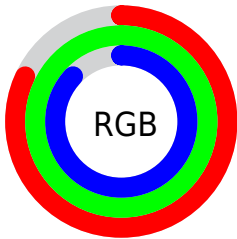
Format	Color
RYB	208, 245, 255
Decimal	13696989
CIELab	96.06, -21.34, 11.34
CIELCh	96, 24.166, 152.004
Yxy	90.1504, 0.3031, 0.3652
Android (android.graphics.Color)	4291887069 (0xFFD0FFDD)
YUV	237.0710, -7.9230, -25.4953
Hunter-Lab	94.9476, -25.4910, 15.3435

Details

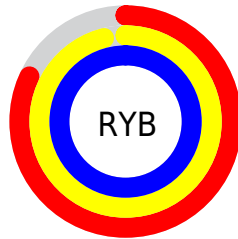
The XYZ color **74.8236, 90.1504, 81.8638** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.8232, 72.7834, 93.8456**, and the grayscale version is **80.6191, 84.8175, 92.3663**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2139, 49.9136, 43.5912** is the 20% darker color. If you saturate the color by 10%, you get **65.8967, 85.8169, 69.3139**, and if you desaturate by 10%, it is **85.1746, 95.1867, 95.8928**.

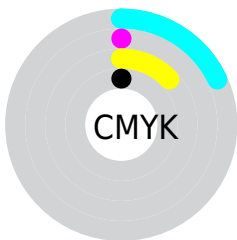
Distribution



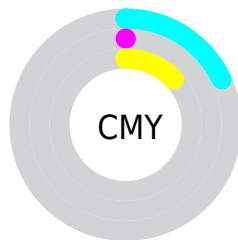
- Red (82%)
- Green (100%)
- Blue (87%)



- Red (82%)
- Yellow (96%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8236, 90.1504, 81.8638 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 74.8236, 90.1504, 81.8638 by changing the saturation by 10% instead.

 74.8236, 90.1504,
81.8638

 74.8236, 90.1504,
81.8638


466.3176,
528.5200, 521.0635

 55.7621, 68.1054,
60.7181

125.0519,
147.5473, 137.8180

 40.2484, 49.9835,
43.5686


156.9493,
183.6680, 173.4635

 27.9174, 35.4003,
29.9968


193.8561,
225.2493, 214.7794

 18.4035, 23.9714,
19.5842

236.1376,
272.6757, 262.1843

 11.3415, 15.3124,
11.9121

284.1591,
326.3316, 316.0965

 6.3660, 9.0389,
6.5620

338.2860,

 3.1117, 4.7666,

386.6013, 376.9348

3.1155

398.8837,
453.8693, 445.1176

■ 1.2131, 2.1110,
1.1539

■ 0.1167, 0.6708,
0.0000

■ 74.8236, 90.1504,
81.8638

■ 74.8236, 90.1504,
81.8638

■ 65.8967, 85.8169,
69.3139

■ 85.1746, 95.1867,
95.8928

■ 58.3282, 82.1535,
58.1905

95.0500, 100.0000,
108.9000

■ 52.0500, 79.1263,
48.4441

■ 46.9875, 76.6977,
40.0206

■ 43.0580, 74.8263,
32.8624

■ 40.1678, 73.4651,
26.9076

■ 38.2074, 72.5591,
22.0887

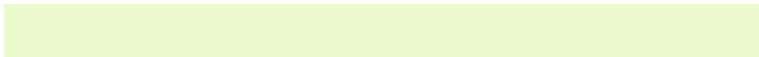
■ 37.0270, 72.0326,
18.3307

■ 36.8825, 71.9690,
17.8310

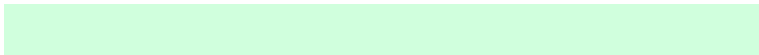
Harmonies

Analogous

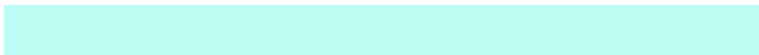
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0484, 90.1504, 70.1196



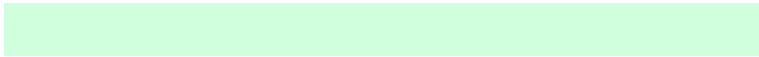
74.8236, 90.1504, 81.8638



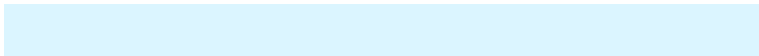
73.4641, 90.1504, 99.4518

Triad

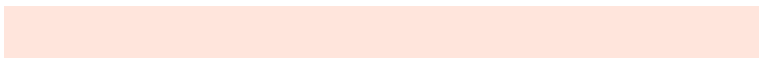
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8236, 90.1504, 81.8638



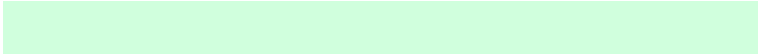
86.1357, 90.1504, 139.7619



97.0608, 90.1504, 79.9035

Complementary

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



74.8236, 90.1504, 81.8638



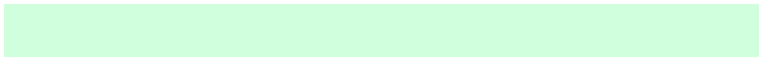
79.8232, 72.7834, 93.8456

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.



99.1917, 90.1504, 96.8764



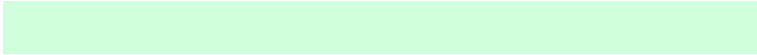
74.8236, 90.1504, 81.8638



92.6835, 90.1504, 132.8235

Square

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



74.8236, 90.1504, 81.8638



79.7888, 90.1504, 134.4051



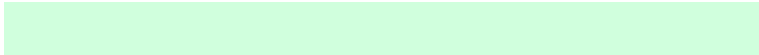
97.5502, 90.1504, 116.4835



91.8653, 90.1504, 69.0955

Rectangle

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



74.8236, 90.1504, 81.8638



74.3056, 90.1504, 112.6152



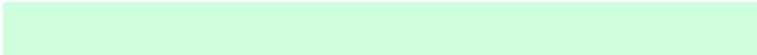
97.5502, 90.1504, 116.4835



98.1711, 90.1504, 84.9951

Sweetspot

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



74.8243, 90.1507, 81.8652



87.9122, 96.5203, 99.5308



83.9239, 95.0342, 73.5958



18.6575, 20.5817, 21.0925



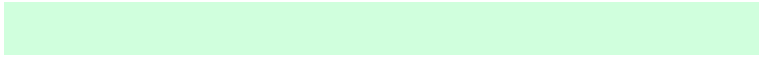
0.0000, 0.0000, 0.0000



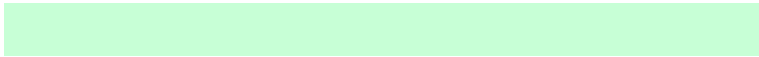
20.3446, 21.4041, 23.3091

Same Dimension

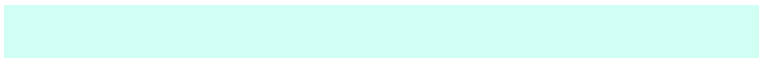
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8243, 90.1507, 81.8652



71.4777, 88.5249, 77.2183



78.1072, 91.4638, 99.1524



17.9780, 20.2507, 20.1872



19.3257, 37.6269, 9.6005



1.9255, 3.6811, 1.1657

Inverse Universe

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



79.8232, 72.7834, 93.8456



77.2917, 68.3214, 91.1488



76.5783, 71.4854, 76.7577



18.5657, 18.2096, 21.5962



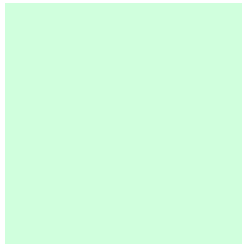
26.1615, 12.9539, 25.2984



2.5936, 1.2798, 2.7071

Previews

White Background



This preview shows how the XYZ color 74.8236, 90.1504, 81.8638 looks on a white background.

Color Contrast Check

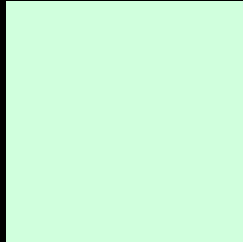
Large Text (above 18pt) WCAG AA × Fail

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 74.8236, 90.1504, 81.8638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

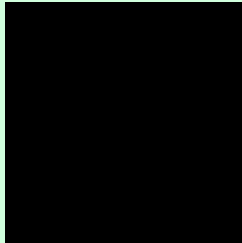
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

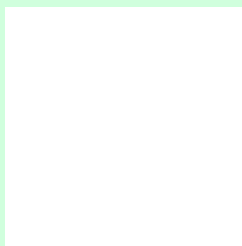
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.8236, 90.1504, 81.8638

Background



This preview shows how black text looks on a background with the XYZ color 74.8236, 90.1504, 81.8638.



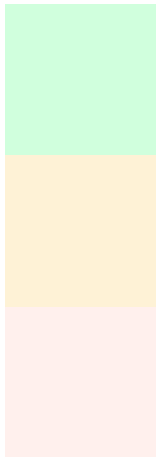
This preview shows how white text looks on a background with the XYZ color 74.8236, 90.1504,

81.8638.

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

74.8236, 90.1504, 81.8638

Protanopia

84.7628, 89.4301, 76.4126

Deuteranopia

87.6862, 89.6946, 92.8120



Tritanopia

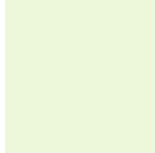
83.9608, 90.1205, 107.5775

Trichromacy



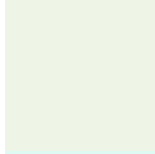
Original Color

74.8236, 90.1504, 81.8638



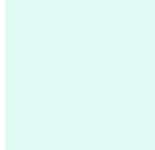
Protanomaly

80.7102, 89.5358, 78.6739



Deuteranomaly

82.3361, 89.2515, 88.4890



Tritanomaly

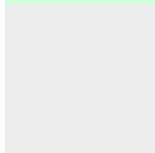
80.4848, 89.9104, 97.9065

Monochromacy



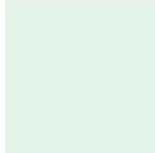
Original Color

74.8236, 90.1504, 81.8638



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.1385, 86.6396, 88.2061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8236, 90.1504, 81.8638 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(208, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 74.8236, 90.1504, 81.8638 is called "border". The border property can be set on classes, ids or directly on the HTML element.

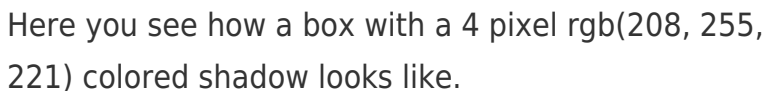
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 255, 221) }
```


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

```
.border{ border-color:rgb(208, 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(208, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 255, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 255, 221); box-shadow:4px 4px 4px 4px rgb(208, 255, 221) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8236, 90.1504, 81.8638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 221) }
```

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

```
.background{ background-color: rgb(208,  
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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