

Converting Colors

XYZ(76.8486, 91.3291, 75.8658)

Have a look what the booklet for
XYZ(76.8486, 91.3291, 75.8658)
contains.

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Color

**XYZ(76.8571, 91.3335,
75.8657)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFFD4
RGB	219, 255, 212
RGB Percent	86%, 100%, 83%
CMY	0.1412, 0.0000, 0.1686
CMYK	0.14, 0.00, 0.17, 0.00
HSL	110°, 100%, 92%
HSV	110°, 17%, 100%
XYZ	76.8571, 91.3335, 75.8657
YIQ	239.3340, -7.6530, -21.0050

Conversions

Conversions Part 2

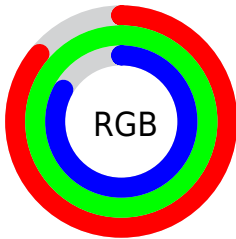
Format	Color
R _Y B	212, 255, 248
Decimal	14417876
CIE Lab	96.55, -19.30, 16.74
CIE LCh	97, 25.546, 139.058
Yxy	91.3335, 0.3149, 0.3742
Android (android.graphics.Color)	4292607956 (0xFFDBFFD4)
YUV	239.3340, -13.4757, -17.8329
Hunter-Lab	95.5686, -23.6937, 19.8315

Details

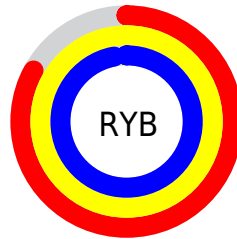
The XYZ color **76.8571, 91.3335, 75.8657** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.3056, 74.2646, 104.7097**, and the grayscale version is **82.4098, 86.7016, 94.4180**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5897, 50.7150, 39.4953** is the 20% darker color. If you saturate the color by 10%, you get **67.8736, 87.0451, 59.9588**, and if you desaturate by 10%, it is **87.1738, 96.2505, 94.4896**.

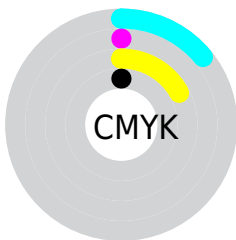
Distribution



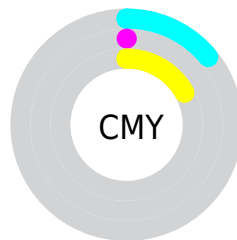
- Red (86%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (14%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8571, 91.3335, 75.8657 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 76.8571, 91.3335, 75.8657 by changing the saturation by 10% instead.

76.8571, 91.3335,
75.8657

76.8571, 91.3335,
75.8657

473.1761,
532.3592, 500.2224

57.4351, 69.0872,
55.8164

127.9117,
149.1893, 129.2954

41.5962, 50.7827,
39.6527

160.2749,
185.5676, 163.5129

28.9749, 36.0357,
26.9562

197.6827,
227.4253, 203.2901

19.2061, 24.4618,
17.3082

240.5003,
275.1468, 249.0457

11.9242, 15.6765,
10.2902

289.0931,
329.1166, 301.1982

6.7639, 9.2955,
5.4837

343.8264,

3.3599, 4.9345,

389.7190, 360.1662

2.4701

405.0656,
457.3384, 426.3680

■ 1.3468, 2.2089,
0.8242

■ 0.2178, 0.7248,
0.0000

■ 76.8571, 91.3335,
75.8657

■ 76.8571, 91.3335,
75.8657

■ 67.8736, 87.0451,
59.9588

■ 87.1738, 96.2505,
94.4896

■ 60.1664, 83.3588,
46.6379

95.0500, 100.0000,
108.9000

■ 53.6774, 80.2475,
35.7677

■ 48.3433, 77.6818,
27.1986

■ 44.0947, 75.6296,
20.7649

■ 40.8547, 74.0552,
16.2788

■ 38.5356, 72.9184,
13.5196

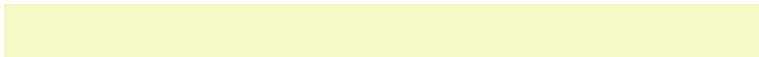
■ 37.0327, 72.1710,
12.2084

■ 36.6949, 72.0020,
11.9638

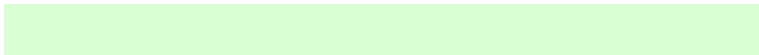
Harmonies

Analogous

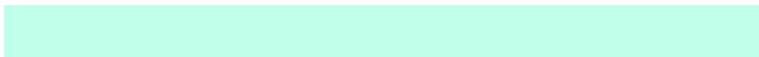
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4083, 91.3335, 66.7511



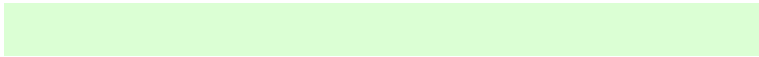
76.8571, 91.3335, 75.8657



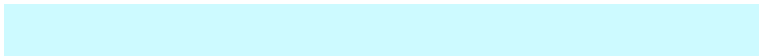
74.0291, 91.3335, 92.1762

Triad

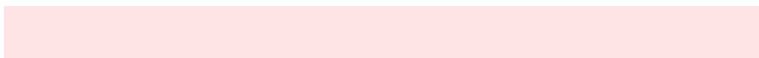
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8571, 91.3335, 75.8657



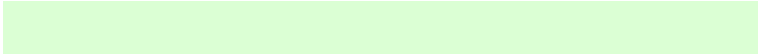
84.2325, 91.3335, 143.2078



100.4280, 91.3335, 87.1654

Complementary

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



76.8571, 91.3335, 75.8657



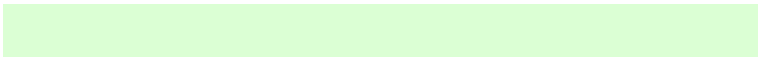
80.3056, 74.2646, 104.7097

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.



100.9827, 91.3335, 107.0897



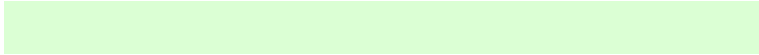
76.8571, 91.3335, 75.8657



91.3652, 91.3335, 141.3810

Square

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



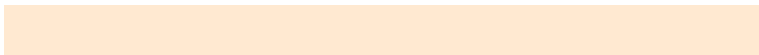
76.8571, 91.3335, 75.8657



78.1295, 91.3335, 132.1629



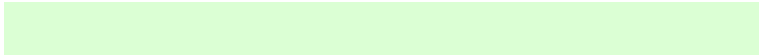
97.5865, 91.3335, 127.4683



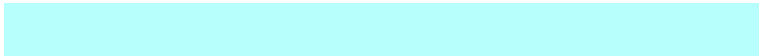
96.1102, 91.3335, 72.6310

Rectangle

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



76.8571, 91.3335, 75.8657



73.9588, 91.3335, 105.7591



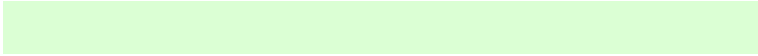
97.5865, 91.3335, 127.4683



101.0693, 91.3335, 93.3905

Sweetspot

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



76.8578, 91.3339, 75.8671



89.2459, 97.2372, 98.2663



86.6402, 93.0462, 75.6820



18.9337, 20.7325, 20.7255



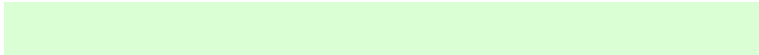
0.0000, 0.0000, 0.0000



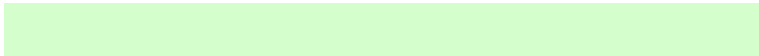
20.3446, 21.4041, 23.3091

Same Dimension

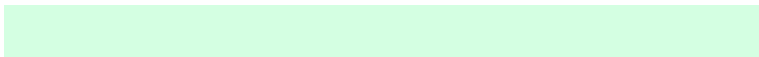
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8578, 91.3339, 75.8671



73.8976, 89.9216, 70.5885



76.6854, 91.0267, 85.7207



18.0469, 20.3101, 19.1134



19.2544, 37.6641, 6.2551



1.9492, 3.7056, 0.6125

Inverse Universe

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



80.3056, 74.2646, 104.7097



77.8942, 70.1250, 104.0378



80.6115, 74.6790, 93.1246



18.4853, 18.1419, 22.7774



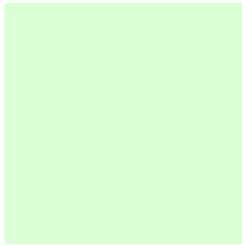
23.9523, 11.2583, 50.3452



2.4062, 1.1343, 4.9054

Previews

White Background



This preview shows how the XYZ color 76.8571, 91.3335, 75.8657 looks on a white background.

Color Contrast Check

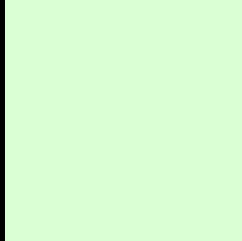
Large Text (above 18pt) WCAG AA × Fail

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 76.8571, 91.3335, 75.8657 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

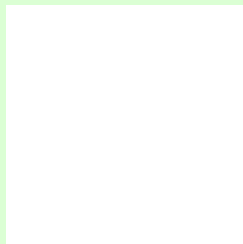
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8571, 91.3335, 75.8657

Background



This preview shows how black text looks on a background with the XYZ color 76.8571, 91.3335, 75.8657.



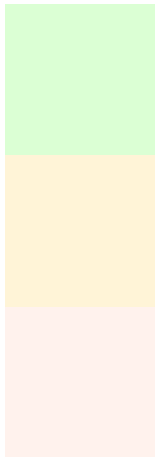
This preview shows how white text looks on a background with the XYZ color 76.8571, 91.3335,

75.8657.

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

76.8571, 91.3335, 75.8657

Protanopia

85.8564, 90.8677, 77.3041

Deuteranopia

88.2782, 90.8787, 93.0093



Tritanopia

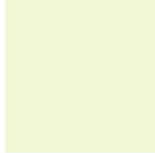
85.9308, 91.1361, 107.6697

Trichromacy



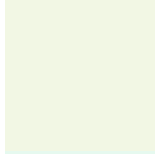
Original Color

76.8571, 91.3335, 75.8657



Protanomaly

82.3230, 90.8671, 76.8185



Deuteranomaly

83.8823, 91.0002, 86.5425



Tritanomaly

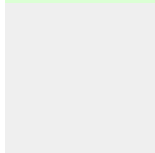
82.0888, 90.8064, 94.8622

Monochromacy



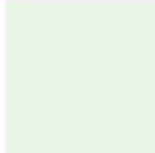
Original Color

76.8571, 91.3335, 75.8657



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.0740, 88.1178, 86.9168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8571, 91.3335, 75.8657 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(219, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 212)  
}
```

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(219, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 76.8571, 91.3335, 75.8657 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(219, 255, 212) }
```


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

```
.border{ border-color:rgb(219, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8571, 91.3335, 75.8657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 212) }
```

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

```
.background{ background-color: rgb(219,  
255, 212) }
```

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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