

Converting Colors

XYZ(105.3085, 141.1176,
82.1695)

Have a look what the booklet for
XYZ(105.3085, 141.1176, 82.1695)
contains.

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Color

**XYZ(81.5296, 93.7856,
74.1270)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFD1
RGB	235, 255, 209
RGB Percent	92%, 100%, 82%
CMY	0.0784, 0.0000, 0.1804
CMYK	0.08, 0.00, 0.18, 0.00
HSL	86°, 100%, 91%
HSV	86°, 18%, 100%
XYZ	81.5296, 93.7856, 74.1270
YIQ	243.7760, 2.8460, -18.5460

Conversions

Conversions Part 2

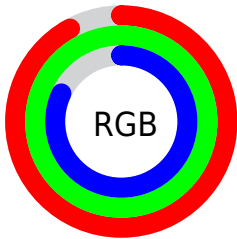
Format	Color
R _Y B	209, 255, 229
Decimal	15466449
CIE Lab	97.55, -14.35, 19.83
CIE LCh	98, 24.472, 125.887
Yxy	93.7856, 0.3268, 0.3760
Android (android.graphics.Color)	4293656529 (0xFFEBFFD1)
YUV	243.7760, -17.1446, -7.6966
Hunter-Lab	96.8430, -19.2006, 22.4074

Details

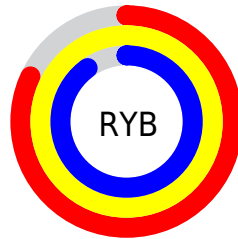
The XYZ color **81.5296, 93.7856, 74.1270** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.1644, 69.4802, 104.1626**, and the grayscale version is **85.9405, 90.4161, 98.4632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6172, 52.3050, 38.3161** is the 20% darker color. If you saturate the color by 10%, you get **75.0735, 90.7934, 58.6424**, and if you desaturate by 10%, it is **88.7205, 97.0982, 92.2864**.

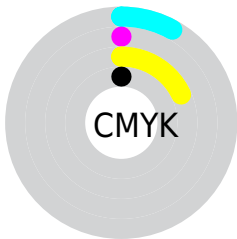
Distribution



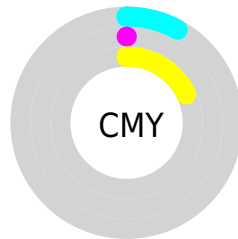
- Red (92%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (90%)



- Cyan (8%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5296, 93.7856, 74.1270 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 81.5296, 93.7856, 74.1270 by changing the saturation by 10% instead.


 81.5296, 93.7856,
74.1270

 81.5296, 93.7856,
74.1270


488.7312,
540.2699, 494.0867

 61.2907, 71.1246,
54.4006


134.4534,
152.5858, 126.8115

 44.7132, 52.4439,
38.5267


167.8690,
189.4938, 160.6067

 31.4319, 37.3590,
26.0867


206.4075,
231.9197, 199.9286

 21.0814, 25.4856,
16.6622

250.4343,
280.2477, 245.1956

 13.2963, 16.4392,
9.8345

300.3147,
334.8624, 296.8264

 7.7113, 9.8355,
5.1852

356.4141,

 3.9610, 5.2900,

396.1480, 355.2395

2.2957

419.0978,
464.4890, 420.8534

■ 1.6801, 2.4184,
0.7288

■ 0.4438, 0.8353,
0.0000

■ 81.5296, 93.7856,
74.1270

■ 81.5296, 93.7856,
74.1270

■ 75.0735, 90.7934,
58.6424

■ 88.7205, 97.0982,
92.2864

■ 69.3223, 88.1090,
45.7018

95.0500, 100.0000,
108.9000

■ 64.2463, 85.7201,
35.1699

■ 59.8128, 83.6131,
26.8970

■ 55.9858, 81.7730,
20.7167

■ 52.7247, 80.1832,
16.4397

■ 49.9823, 78.8240,
13.8424

■ 47.6960, 77.6701,
12.6216

■ 47.2846, 77.4611,
12.4593

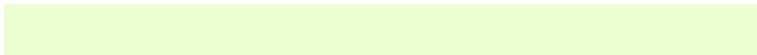
Harmonies

Analogous

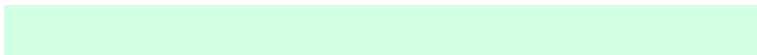
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7759, 93.7856, 68.5638



81.5296, 93.7856, 74.1270



77.4841, 93.7856, 87.2571

Triad

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



81.5296, 93.7856, 74.1270



83.7885, 93.7856, 141.2100



103.1140, 93.7856, 98.2387

Complementary

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



81.5296, 93.7856, 74.1270



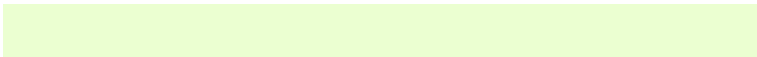
73.1644, 69.4802, 104.1626

Split Complementary

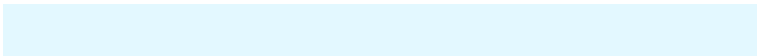
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.9107, 93.7856, 118.5740



81.5296, 93.7856, 74.1270



90.5190, 93.7856, 145.1427

Square

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



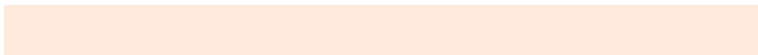
81.5296, 93.7856, 74.1270



78.7401, 93.7856, 126.2500



97.2107, 93.7856, 136.3904



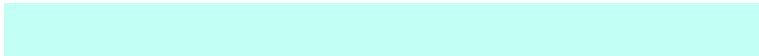
100.4184, 93.7856, 81.2730

Rectangle

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



81.5296, 93.7856, 74.1270



76.4574, 93.7856, 99.3946



97.2107, 93.7856, 136.3904



103.1537, 93.7856, 104.8878

Sweetspot

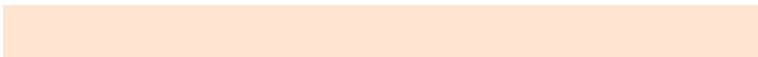
The Sweet Spot groups the original color and five complimentary colors.



81.5302, 93.7859, 74.1284



91.0545, 98.1696, 98.3509



80.7501, 81.8660, 71.8687



19.3725, 20.9587, 20.7460



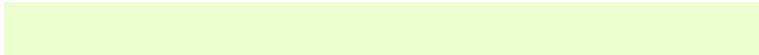
0.0000, 0.0000, 0.0000



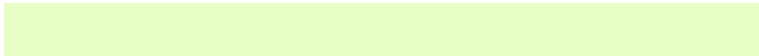
20.3446, 21.4041, 23.3091

Same Dimension

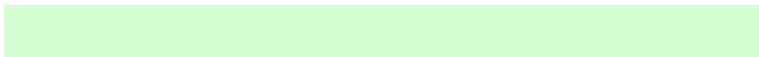
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5302, 93.7859, 74.1284



78.8861, 92.5628, 67.6806



74.4401, 90.1308, 73.7966



18.7541, 20.6747, 19.1465



24.8817, 40.5651, 6.5184



2.5480, 4.0143, 0.6405

Inverse Universe

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



73.1644, 69.4802, 104.1626



68.9716, 63.7551, 103.2785



80.9718, 73.5050, 104.5280



17.7522, 17.7640, 22.7431



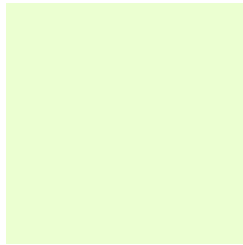
13.0122, 5.6185, 49.8332



1.3895, 0.6102, 4.8578

Previews

White Background



This preview shows how the XYZ color 81.5296, 93.7856, 74.1270 looks on a white background.

Color Contrast Check

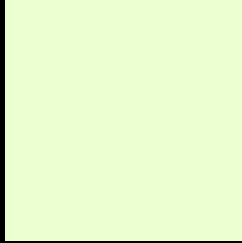
Large Text (above 18pt) WCAG AA × Fail

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 81.5296, 93.7856, 74.1270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

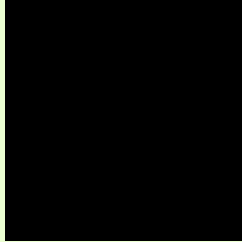
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

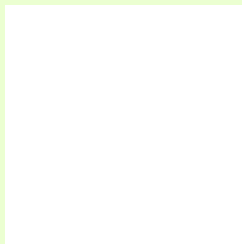
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.5296, 93.7856, 74.1270

Background



This preview shows how black text looks on a background with the XYZ color 81.5296, 93.7856, 74.1270.



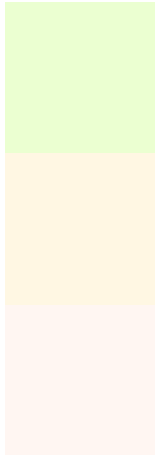
This preview shows how white text looks on a background with the XYZ color 81.5296, 93.7856,

74.1270.

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

81.5296, 93.7856, 74.1270

Protanopia

88.3659, 93.3276, 86.0297

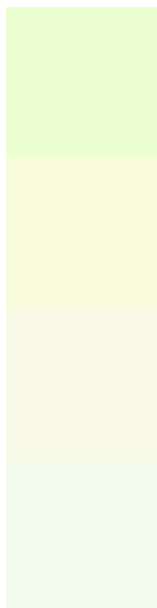
Deuteranopia

90.2228, 93.5823, 97.3123

Tritanopia

89.3168, 93.3344, 107.9156

Trichromacy



Original Color

81.5296, 93.7856, 74.1270

Protanomaly

85.8153, 93.4950, 81.2335

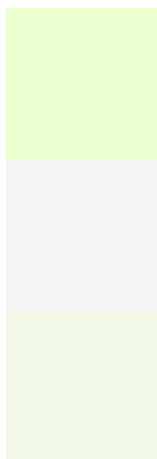
Deuteranomaly

86.8700, 93.4210, 88.3164

Tritanomaly

86.2362, 93.4215, 94.3759

Monochromacy



Original Color

81.5296, 93.7856, 74.1270

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.2668, 91.6051, 88.8415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5296, 93.7856, 74.1270 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(235, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 209)  
}
```

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(235, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 81.5296, 93.7856, 74.1270 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(235, 255, 209) }
```


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

```
.border{ border-color:rgb(235, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5296, 93.7856, 74.1270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 209) }
```

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

```
.background{ background-color: rgb(235,  
255, 209) }
```

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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