

Converting Colors

XYZ(83.5936, 96.5727, 75.6015)

Have a look what the booklet for
XYZ(83.5936, 96.5727, 75.6015)
contains.

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Color

**XYZ(82.4429, 94.2277,
75.4706)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFD3
RGB	237, 255, 211
RGB Percent	93%, 100%, 83%
CMY	0.0706, 0.0000, 0.1725
CMYK	0.07, 0.00, 0.17, 0.00
HSL	85°, 100%, 91%
HSV	85°, 17%, 100%
XYZ	82.4429, 94.2277, 75.4706
YIQ	244.6020, 3.3960, -17.5000

Conversions

Conversions Part 2

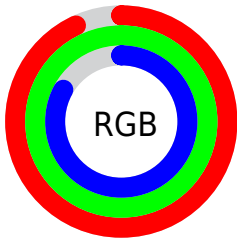
Format	Color
RYB	211, 255, 229
Decimal	15597523
CIELab	97.72, -13.35, 19.08
CIElCh	98, 23.282, 124.976
Yxy	94.2277, 0.3270, 0.3737
Android (android.graphics.Color)	4293787603 (0xFFEFDFFD3)
YUV	244.6020, -16.5658, -6.6670
Hunter-Lab	97.0710, -18.2731, 21.8530

Details

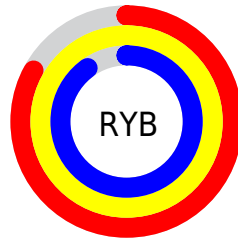
The XYZ color **82.4429, 94.2277, 75.4706** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.6583, 70.4678, 104.3272**, and the grayscale version is **86.5975, 91.1074, 99.2159**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2509, 52.6122, 39.2227** is the 20% darker color. If you saturate the color by 10%, you get **76.1128, 91.3049, 59.7894**, and if you desaturate by 10%, it is **89.4839, 97.4583, 93.8349**.

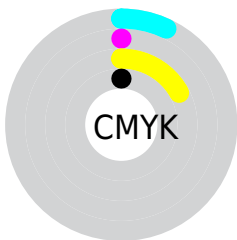
Distribution



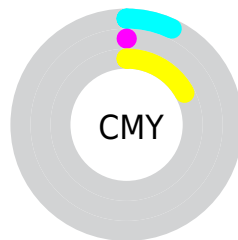
- Red (93%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4429, 94.2277, 75.4706 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 82.4429, 94.2277, 75.4706 by changing the saturation by 10% instead.

82.4429, 94.2277,
75.4706

82.4429, 94.2277,
75.4706

491.7400,
541.6896, 498.8320

62.0460, 71.4924,
55.4945

135.7275,
153.1972, 128.7315

45.3256, 52.7441,
39.3965

169.3460,
190.2002, 162.8534

31.9164, 37.5985,
26.7581

208.1023,
232.7278, 202.5275

21.4529, 25.6712,
17.1608

252.3619,
281.1645, 248.1726

13.5698, 16.5779,
10.1860

302.4901,
335.8946, 300.2070

7.9017, 9.9340,
5.4153

358.8523,

4.0834, 5.3552,

397.3025, 359.0493

2.4299

421.8138,
465.7727, 425.1182

■ 1.7494, 2.4571,
0.8027

■ 0.4869, 0.8551,
0.0000

■ 82.4429, 94.2277,
75.4706

■ 82.4429, 94.2277,
75.4706

■ 76.1128, 91.3049,
59.7894

■ 89.4839, 97.4583,
93.8349

■ 70.4648, 88.6780,
46.6614

95.0500, 100.0000,
108.9000

■ 65.4701, 86.3350,
35.9520

■ 61.0968, 84.2627,
27.5128

■ 57.3102, 82.4469,
21.1789

■ 54.0708, 80.8713,
16.7632

■ 51.3329, 79.5172,
14.0454

■ 49.0386, 78.3609,
12.7416

■ 48.4635, 78.0689,
12.5145

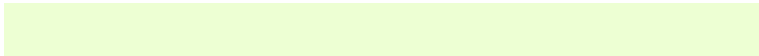
Harmonies

Analogous

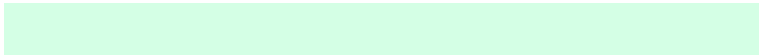
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4584, 94.2277, 70.3257



82.4429, 94.2277, 75.4706



78.4879, 94.2277, 87.9019

Triad

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



82.4429, 94.2277, 75.4706



84.2703, 94.2277, 139.4050



102.8847, 94.2277, 99.4607

Complementary

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



82.4429, 94.2277, 75.4706



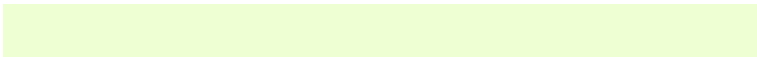
73.6583, 70.4678, 104.3272

Split Complementary

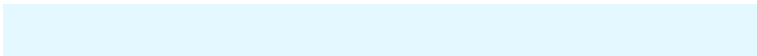
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.6286, 94.2277, 118.8469



82.4429, 94.2277, 75.4706



90.6720, 94.2277, 143.4839

Square

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



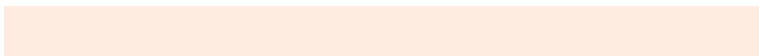
82.4429, 94.2277, 75.4706



79.5058, 94.2277, 125.0060



97.0766, 94.2277, 135.5525



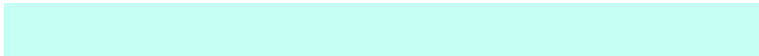
100.4293, 94.2277, 83.0418

Rectangle

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



82.4429, 94.2277, 75.4706



77.4404, 94.2277, 99.4303



97.0766, 94.2277, 135.5525



102.8837, 94.2277, 105.8321

Sweetspot

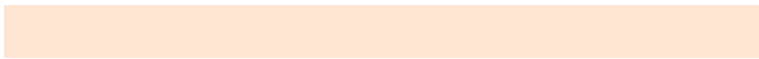
The Sweet Spot groups the original color and five complimentary colors.



82.4435, 94.2279, 75.4720



91.1716, 98.2300, 98.3564



80.9072, 81.7815, 73.1505



19.4010, 20.9734, 20.7473



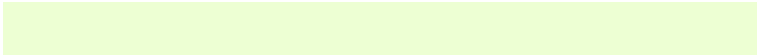
0.0000, 0.0000, 0.0000



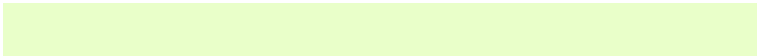
20.3446, 21.4041, 23.3091

Same Dimension

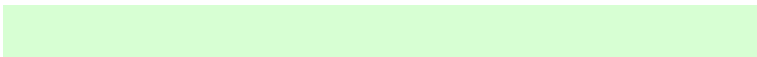
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4435, 94.2279, 75.4720



79.9903, 93.0976, 69.2900



75.6606, 90.7313, 75.1546



18.8006, 20.6986, 19.1487



25.4969, 40.8822, 6.5472



2.6066, 4.0445, 0.6433

Inverse Universe

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



73.6583, 70.4678, 104.3272



69.5832, 64.9481, 103.4766



80.9846, 74.2446, 104.6700



17.7067, 17.7405, 22.7410



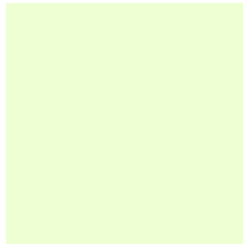
12.5930, 5.4024, 49.8136



1.3464, 0.5880, 4.8558

Previews

White Background



This preview shows how the XYZ color 82.4429, 94.2277, 75.4706 looks on a white background.

Color Contrast Check

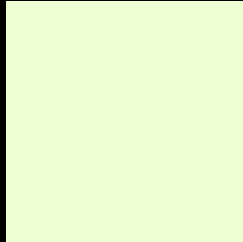
Large Text (above 18pt) WCAG AA × Fail

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 82.4429, 94.2277, 75.4706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

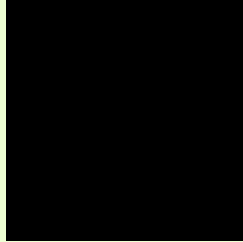
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

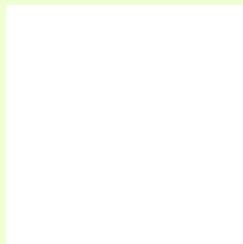
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.4429, 94.2277, 75.4706

Background



This preview shows how black text looks on a background with the XYZ color 82.4429, 94.2277, 75.4706.



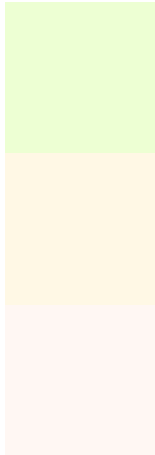
This preview shows how white text looks on a background with the XYZ color 82.4429, 94.2277,

75.4706.

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

82.4429, 94.2277, 75.4706

Protanopia

88.9503, 94.0519, 87.5944

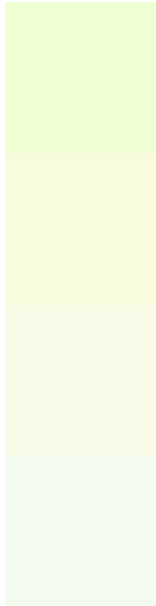
Deuteranopia

90.6784, 94.2526, 98.2073

Tritanopia

89.9752, 94.1290, 108.0342

Trichromacy



Original Color

82.4429, 94.2277, 75.4706

Protanomaly

86.3934, 94.2247, 82.7410

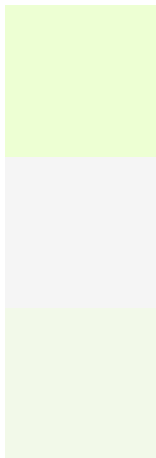
Deuteranomaly

87.3208, 94.0972, 89.1616

Tritanomaly

87.0393, 94.2810, 95.2720

Monochromacy



Original Color

82.4429, 94.2277, 75.4706

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.2016, 92.5118, 90.4568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.4429, 94.2277, 75.4706 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(237, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 211)  
}
```

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(237, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 82.4429, 94.2277, 75.4706 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(237, 255, 211) }
```


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

```
.border{ border-color:rgb(237, 255, 211) }
```

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

Here you see how a box with a 4 pixel rgb(237, 255, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 82.4429, 94.2277, 75.4706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 211) }
```

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

```
.background{ background-color: rgb(237,  
255, 211) }
```

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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