

# Converting Colors

XYZ(82.9004, 94.4167, 77.6073)

Have a look what the booklet for  
XYZ(82.9004, 94.4167, 77.6073)  
contains.

<b>XYZ(82.8227, 94.3796, 77.4702)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(82.8227, 94.3796,  
77.4702)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFD6
RGB	237, 255, 214
RGB Percent	93%, 100%, 84%
CMY	0.0706, 0.0000, 0.1608
CMYK	0.07, 0.00, 0.16, 0.00
HSL	86°, 100%, 92%
HSV	86°, 16%, 100%
XYZ	82.8227, 94.3796, 77.4702
YIQ	244.9440, 2.4330, -16.5670

# Conversions

## Conversions Part 2

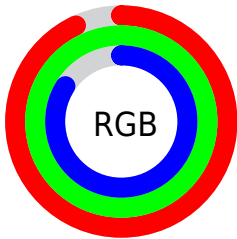
Format	Color
R <sub>Y</sub> B	214, 255, 232
Decimal	15597526
CIE Lab	97.78, -12.88, 17.63
CIE LCh	98, 21.835, 126.142
Yxy	94.3796, 0.3252, 0.3706
Android (android.graphics.Color)	4293787606 (0xFFEDFFD6)
YUV	244.9440, -15.2554, -6.9669
Hunter-Lab	97.1492, -17.8342, 20.7245

# Details

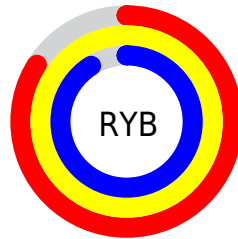
The XYZ color **82.8227, 94.3796, 77.4702** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.3761, 72.4701, 104.6231**, and the grayscale version is **86.8629, 91.3865, 99.5199**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5081, 52.7151, 40.5774** is the 20% darker color. If you saturate the color by 10%, you get **76.1946, 91.3100, 61.4699**, and if you desaturate by 10%, it is **90.1953, 97.7740, 96.1693**.

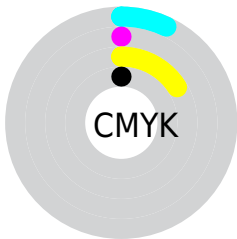
# Distribution



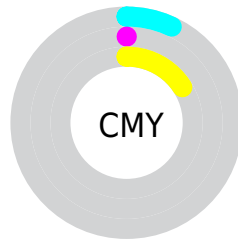
- Red (93%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8227, 94.3796, 77.4702 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 82.8227, 94.3796, 77.4702 by changing the saturation by 10% instead.



82.8227, 94.3796,  
77.4702

82.8227, 94.3796,  
77.4702

492.9883,  
542.1769, 505.8459

62.3603, 71.6187,  
57.1250

136.2569,  
153.4072, 131.5821

45.5806, 52.8473,  
40.6956

169.9595,  
190.4428, 166.1858

32.1182, 37.6809,  
27.7634

208.8061,  
233.0053, 206.3795

21.6078, 25.7351,  
17.9099

253.1622,  
281.4792, 252.5817

13.6840, 16.6256,  
10.7165

303.3931,  
336.2490, 305.2108

7.9814, 9.9679,  
5.7648

359.8642,

4.1348, 5.3777,

397.6989, 364.6856

2.6361

422.9408,  
466.2134, 431.4244

■ 1.7787, 2.4705,  
0.9110

■ 0.5048, 0.8618,  
0.0000

■ 82.8227, 94.3796,  
77.4702

■ 82.8227, 94.3796,  
77.4702

■ 76.1946, 91.3100,  
61.4699

■ 90.1953, 97.7740,  
96.1693

■ 70.2814, 88.5527,  
48.0395

95.0500, 100.0000,  
108.9000

■ 65.0536, 86.0956,  
37.0456

■ 60.4791, 83.9253,  
28.3415

■ 56.5223, 82.0270,  
21.7643

■ 53.1435, 80.3842,  
17.1299

■ 50.2970, 78.9782,  
14.2229

■ 47.9268, 77.7859,  
12.7754

■ 47.0964, 77.3641,  
12.4505

# Harmonies

## Analogous

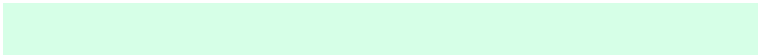
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4292, 94.3796, 72.2840



82.8227, 94.3796, 77.4702



79.1880, 94.3796, 89.5005

# Triad

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



82.8227, 94.3796, 77.4702



84.9459, 94.3796, 137.4462



102.1521, 94.3796, 99.1356

# Complementary

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



82.8227, 94.3796, 77.4702



75.3761, 72.4701, 104.6231

# Split Complementary

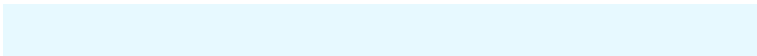
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.1142, 94.3796, 117.2756



82.8227, 94.3796, 77.4702



90.9930, 94.3796, 140.7930

# Square

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



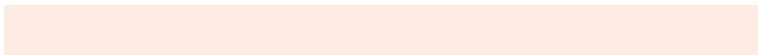
82.8227, 94.3796, 77.4702



80.3735, 94.3796, 124.3579



96.9583, 94.3796, 133.0374



99.7322, 94.3796, 83.8256

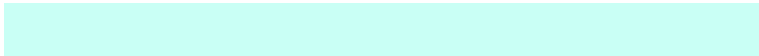


# Rectangle

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



82.8227, 94.3796, 77.4702



78.2744, 94.3796, 100.4721



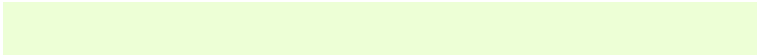
96.9583, 94.3796, 133.0374



102.1975, 94.3796, 105.0892

# Sweetspot

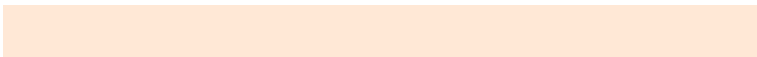
The Sweet Spot groups the original color and five complimentary colors.



82.8233, 94.3799, 77.4716



91.0352, 98.1596, 98.3500



82.1692, 83.6978, 75.4442



19.3678, 20.9563, 20.7458



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

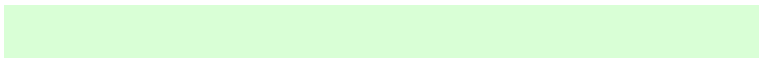
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8233, 94.3799, 77.4716



80.8105, 93.4497, 72.5219



76.4345, 91.0863, 77.1726



18.7465, 20.6707, 19.1461



24.7834, 40.5144, 6.5138



2.5386, 4.0095, 0.6401



# Inverse Universe

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



75.3761, 72.4701, 104.6231



72.1919, 68.0925, 103.9460



82.3387, 76.0595, 104.9490



17.7597, 17.7679, 22.7435



13.0843, 5.6557, 49.8366

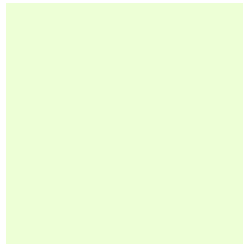


1.3969, 0.6140, 4.8582



# Previews

## White Background



This preview shows how the XYZ color 82.8227, 94.3796, 77.4702 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

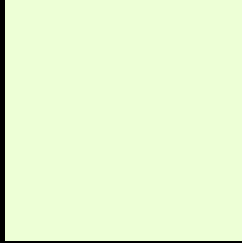
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8227, 94.3796, 77.4702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

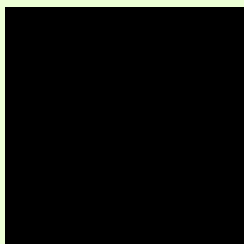
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

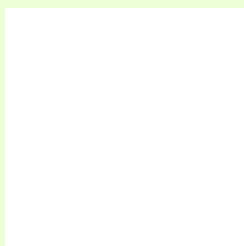
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.8227, 94.3796, 77.4702**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.8227, 94.3796, 77.4702.



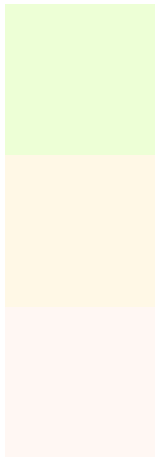
This preview shows how white text looks on a background with the XYZ color 82.8227, 94.3796,



# 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

82.8227, 94.3796, 77.4702

### Protanopia

89.0903, 94.1080, 88.3320

### Deuteranopia

90.6784, 94.2526, 98.2073

## Tritanopia

89.9752, 94.1290, 108.0342

# Trichromacy



## Original Color

82.8227, 94.3796, 77.4702

## Protanomaly

86.6631, 94.3326, 84.1614

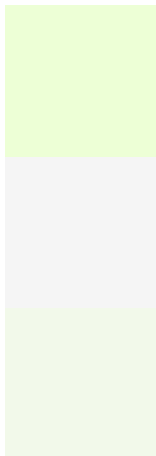
## Deuteranomaly

87.4625, 94.1539, 89.9077

## Tritanomaly

87.1875, 94.3403, 96.0523

# Monochromacy



## Original Color

82.8227, 94.3796, 77.4702

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.3449, 92.5691, 91.2114

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8227, 94.3796, 77.4702 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8227, 94.3796, 77.4702 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, 214) }
```



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

```
.border{ border-color:rgb(237, 255, 214) }
```

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, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8227, 94.3796, 77.4702 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, 214) }
```

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

```
.background{ background-color: rgb(237,  
255, 214) }
```

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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