

Converting Colors

XYZ(84.9781, 100.0000,
62.1683)

Have a look what the booklet for
XYZ(84.9781, 100.0000, 62.1683)
contains.

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Color

**XYZ(82.1453, 94.3839,
61.4654)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FFBC
RGB	244, 255, 188
RGB Percent	96%, 100%, 74%
CMY	0.0431, 0.0000, 0.2627
CMYK	0.04, 0.00, 0.26, 0.00
HSL	70°, 100%, 87%
HSV	70°, 26%, 100%
XYZ	82.1453, 94.3839, 61.4654
YIQ	244.0730, 14.9510, -23.1690

Conversions

Conversions Part 2

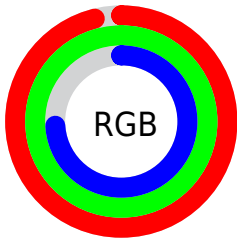
Format	Color
RYB	188, 255, 199
Decimal	16056252
CIELab	97.79, -14.19, 30.89
CIELCh	98, 33.995, 114.673
Yxy	94.3839, 0.3452, 0.3966
Android (android.graphics.Color)	4294246332 (0xFFFF4FFBC)
YUV	244.0730, -27.6440, -0.0640
Hunter-Lab	97.1514, -19.0862, 30.4946

Details

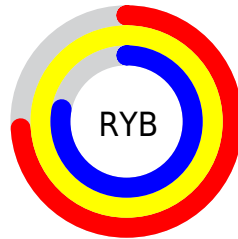
The XYZ color **82.1453, 94.3839, 61.4654** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.5875, 55.3299, 102.1469**, and the grayscale version is **86.2525, 90.7444, 98.8206**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **44.9907, 52.6742, 30.3501** is the 20% darker color. If you saturate the color by 10%, you get **78.1984, 92.6392, 48.1767**, and if you desaturate by 10%, it is **86.6119, 96.3403, 77.3163**.

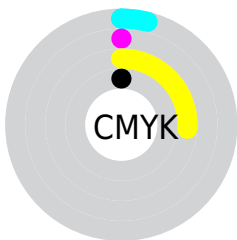
Distribution



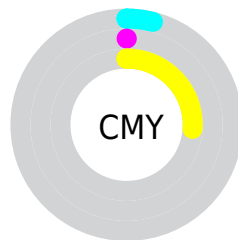
- Red (96%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (78%)



- Cyan (4%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.1453, 94.3839, 61.4654 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 82.1453, 94.3839, 61.4654 by changing the saturation by 10% instead.


 82.1453, 94.3839,
61.4654

 82.1453, 94.3839,
61.4654


490.7607,
542.1907, 447.9321

 61.7998, 71.6223,
44.1679


 135.3125,
153.4132, 108.5166

 45.1260, 52.8502,
30.4643


168.8649,
190.4496, 139.1074

 31.7584, 37.6832,
19.9363


207.5504,
233.0131, 174.9663

 21.3316, 25.7369,
12.1651

251.7343,
281.4881, 216.5119

 13.4805, 16.6269,
6.7323

301.7819,
336.2590, 264.1627

 7.8395, 9.9689,
3.2194

358.0586,

 4.0434, 5.3783,

397.7101, 318.3373

1.2077

420.9297,
466.2259, 379.4543

■ 1.7267, 2.4709,
0.0000

■ 0.4729, 0.8620,
0.0000

■ 82.1453, 94.3839,
61.4654

■ 82.1453, 94.3839,
61.4654

■ 78.1984, 92.6392,
48.1767

■ 86.6119, 96.3403,
77.3163

■ 74.7440, 91.0954,
37.3116

■ 91.6207, 98.5174,
95.8501

■ 71.7544, 89.7412,
28.7243

95.0500, 100.0000,
108.9000

■ 69.1986, 88.5642,
22.2521

■ 67.0412, 87.5503,
17.7104

■ 65.2411, 86.6830,
14.8832

■ 63.7468, 85.9417,
13.5015

■ 63.2396, 85.6862,
13.2060

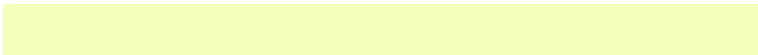
Harmonies

Analogous

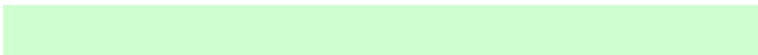
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4519, 94.3839, 58.2255



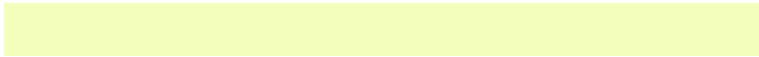
82.1453, 94.3839, 61.4654



75.3345, 94.3839, 74.8689

Triad

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



82.1453, 94.3839, 61.4654



79.3494, 94.3839, 152.8063



109.5935, 94.3839, 107.8076

Complementary

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



82.1453, 94.3839, 61.4654



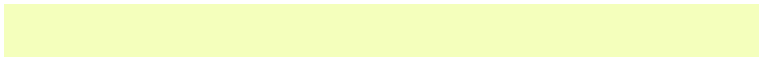
59.5875, 55.3299, 102.1469

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.



105.8049, 94.3839, 136.8575



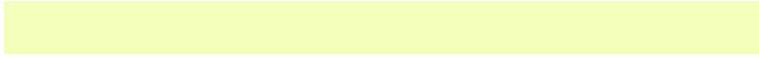
82.1453, 94.3839, 61.4654



87.9885, 94.3839, 165.6651

Square

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



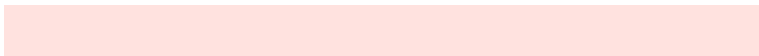
82.1453, 94.3839, 61.4654



73.8036, 94.3839, 126.7212



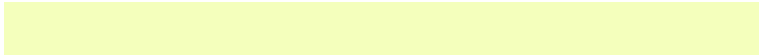
97.7234, 94.3839, 159.3585



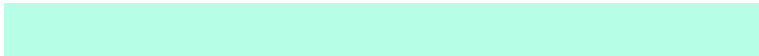
107.7497, 94.3839, 82.0412

Rectangle

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



82.1453, 94.3839, 61.4654



72.8946, 94.3839, 89.2842



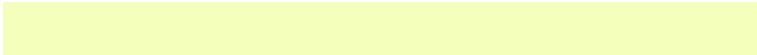
97.7234, 94.3839, 159.3585



108.9287, 94.3839, 117.5454

Sweetspot

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



82.1457, 94.3841, 61.4667



90.7162, 98.1254, 92.4534



70.5234, 65.3029, 56.4661



19.2512, 20.9309, 19.1698



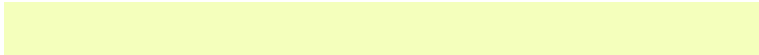
0.0000, 0.0000, 0.0000



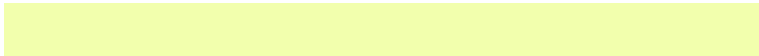
20.3446, 21.4041, 23.3091

Same Dimension

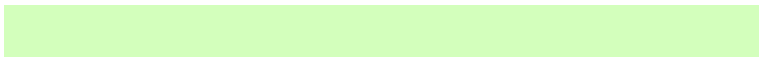
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1457, 94.3841, 61.4667



79.8234, 93.3597, 53.5515



71.8309, 89.0666, 60.9840



19.2512, 20.9309, 19.1698



33.1528, 44.8290, 6.9055



3.3025, 4.4033, 0.6759

Inverse Universe

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



59.5875, 55.3299, 102.1469



53.5143, 47.8000, 101.0136



69.1668, 60.2682, 102.5952



17.2808, 17.5210, 22.7210



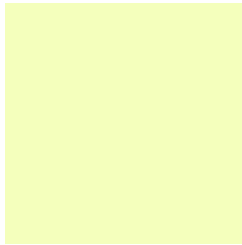
10.0087, 4.0701, 49.6927



1.0494, 0.4349, 4.8419

Previews

White Background



This preview shows how the XYZ color 82.1453, 94.3839, 61.4654 looks on a white background.

Color Contrast Check

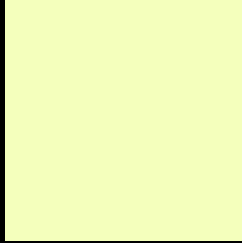
Large Text (above 18pt) WCAG AA × Fail

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 82.1453, 94.3839, 61.4654 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 82.1453, 94.3839, 61.4654

Background



This preview shows how black text looks on a background with the XYZ color 82.1453, 94.3839, 61.4654.



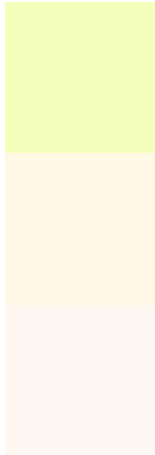
This preview shows how white text looks on a background with the XYZ color 82.1453, 94.3839,

61.4654.

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

82.1453, 94.3839, 61.4654

Protanopia

88.8110, 93.9962, 86.8610

Deuteranopia

90.3779, 94.1324, 96.6250

Tritanopia

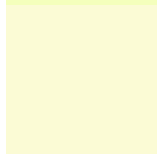
91.0944, 94.2508, 107.9988

Trichromacy



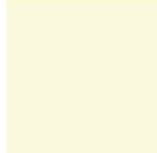
Original Color

82.1453, 94.3839, 61.4654



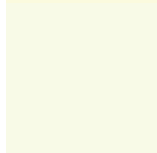
Protanomaly

86.2911, 94.3077, 76.6060



Deuteranomaly

87.1541, 94.1544, 82.6873



Tritanomaly

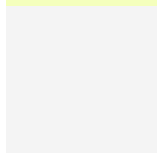
87.3208, 94.0972, 89.1616

Monochromacy



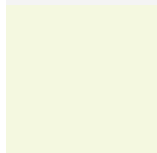
Original Color

82.1453, 94.3839, 61.4654



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.3302, 91.7497, 83.7858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1453, 94.3839, 61.4654 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(244, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 188)  
}
```

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(244, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 188) }
```

Border

The CSS property to change the border of an element to XYZ 82.1453, 94.3839, 61.4654 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(244, 255, 188) }
```


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

```
.border{ border-color:rgb(244, 255, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1453, 94.3839, 61.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 188) }
```

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

```
.background{ background-color: rgb(244,  
255, 188) }
```

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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