

Converting Colors

XYZ(123.6277, 177.9621,
76.0703)

Have a look what the booklet for
XYZ(123.6277, 177.9621, 76.0703)
contains.

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Color

**XYZ(81.5633, 94.0714,
62.0029)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFBD
RGB	242, 255, 189
RGB Percent	95%, 100%, 74%
CMY	0.0510, 0.0000, 0.2588
CMYK	0.05, 0.00, 0.26, 0.00
HSL	72°, 100%, 87%
HSV	72°, 26%, 100%
XYZ	81.5633, 94.0714, 62.0029
YIQ	243.5890, 13.4380, -23.2820

Conversions

Conversions Part 2

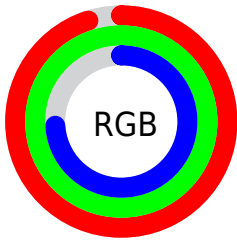
Format	Color
RYB	189, 255, 202
Decimal	15925181
CIELab	97.66, -14.78, 30.19
CIELCh	98, 33.616, 116.077
Yxy	94.0714, 0.3432, 0.3959
Android (android.graphics.Color)	4294115261 (0xFFFF2FFBD)
YUV	243.5890, -26.9124, -1.3936
Hunter-Lab	96.9904, -19.6251, 29.9911

Details

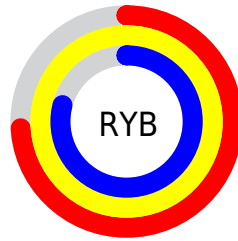
The XYZ color **81.5633, 94.0714, 62.0029** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.6057, 56.1730, 102.2560**, and the grayscale version is **85.8605, 90.3319, 98.3715**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **44.5748, 52.4517, 30.6965** is the 20% darker color. If you saturate the color by 10%, you get **77.3337, 92.1831, 48.6040**, and if you desaturate by 10%, it is **86.3279, 96.1791, 77.9697**.

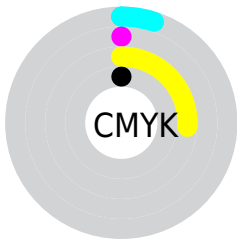
Distribution



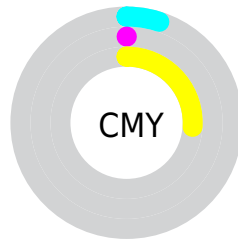
- Red (95%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (79%)



- Cyan (5%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.5633, 94.0714, 62.0029 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 81.5633, 94.0714, 62.0029 by changing the saturation by 10% instead.


 81.5633, 94.0714,
62.0029

 81.5633, 94.0714,
62.0029


488.8424,
541.1879, 449.9496

 61.3185, 71.3623,
44.5992


 134.5005,
152.9811, 109.3014

 44.7358, 52.6379,
30.8012


167.9235,
189.9505, 140.0332

 31.4498, 37.5138,
20.1903


206.4701,
232.4422, 176.0449

 21.0951, 25.6056,
12.3480

250.5055,
280.8404, 217.7550

 13.3064, 16.5288,
6.8558

300.3950,
335.5298, 265.5819

 7.7183, 9.8991,
3.2950

356.5042,

 3.9655, 5.3321,

396.8945, 319.9443

1.2472

419.1982,
465.3191, 381.2607

■ 1.6826, 2.4434,
0.0179

■ 0.4454, 0.8481,
0.0000

■ 81.5633, 94.0714,
62.0029

■ 81.5633, 94.0714,
62.0029

■ 77.3337, 92.1831,
48.6040

■ 86.3279, 96.1791,
77.9697

■ 73.6118, 90.5034,
37.6348

■ 91.6501, 98.5154,
96.6249

■ 70.3700, 89.0210,
28.9502

95.0500, 100.0000,
108.9000

■ 67.5770, 87.7235,
22.3880

■ 65.1977, 86.5968,
17.7647

■ 63.1908, 85.6243,
14.8659

■ 61.5055, 84.7857,
13.4253

■ 60.8743, 84.4669,
13.0953

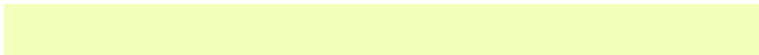
Harmonies

Analogous

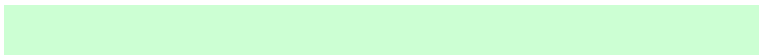
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6773, 94.0714, 58.3269



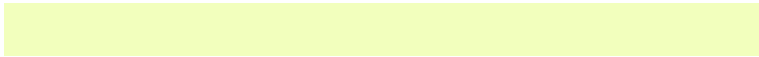
81.5633, 94.0714, 62.0029



74.9929, 94.0714, 75.7371

Triad

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



81.5633, 94.0714, 62.0029



79.5288, 94.0714, 152.6871



109.0595, 94.0714, 106.0769

Complementary

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



81.5633, 94.0714, 62.0029



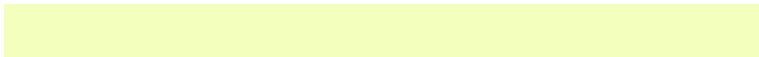
60.6057, 56.1730, 102.2560

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.



105.5702, 94.0714, 134.7507



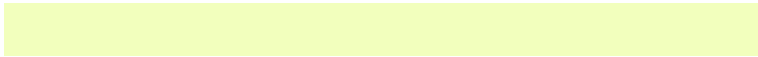
81.5633, 94.0714, 62.0029



88.1586, 94.0714, 164.5275

Square

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



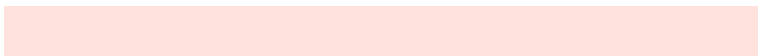
81.5633, 94.0714, 62.0029



73.8785, 94.0714, 127.3888



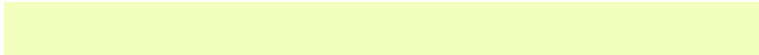
97.7488, 94.0714, 157.4420



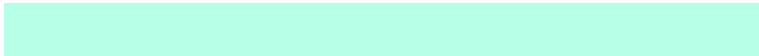
106.9833, 94.0714, 80.9609

Rectangle

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



81.5633, 94.0714, 62.0029



72.7112, 94.0714, 90.2606



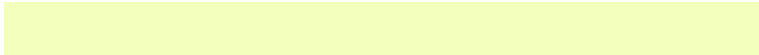
97.7488, 94.0714, 157.4420



108.4924, 94.0714, 115.6420

Sweetspot

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



81.5637, 94.0716, 62.0042



90.4748, 98.0009, 92.4421



71.3360, 66.7551, 57.2707



19.1900, 20.8994, 19.1669



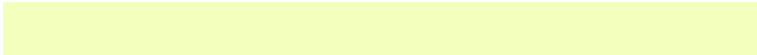
0.0000, 0.0000, 0.0000



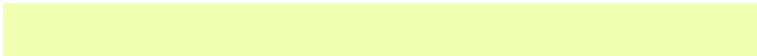
20.3446, 21.4041, 23.3091

Same Dimension

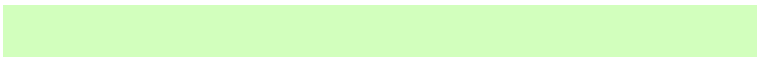
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5637, 94.0716, 62.0042



79.3334, 93.0782, 54.8329



71.4959, 88.8814, 61.5331



19.1900, 20.8994, 19.1669



31.9320, 44.1996, 6.8484



3.1943, 4.3475, 0.6708

Inverse Universe

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



60.6057, 56.1730, 102.2560



55.1825, 49.3950, 101.2335



70.2129, 61.1257, 102.7056



17.3370, 17.5499, 22.7237



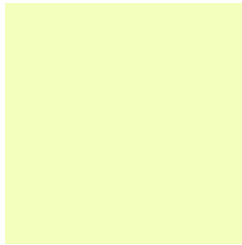
10.2187, 4.1784, 49.7025



1.0778, 0.4496, 4.8432

Previews

White Background



This preview shows how the XYZ color 81.5633, 94.0714, 62.0029 looks on a white background.

Color Contrast Check

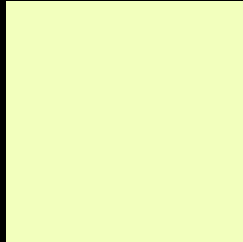
Large Text (above 18pt) WCAG AA × Fail

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 81.5633, 94.0714, 62.0029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

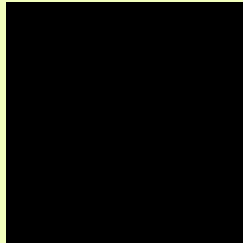
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.5633, 94.0714, 62.0029

Background



This preview shows how black text looks on a background with the XYZ color 81.5633, 94.0714, 62.0029.



This preview shows how white text looks on a background with the XYZ color 81.5633, 94.0714,

Color Blindness Simulation

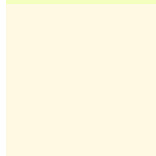
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



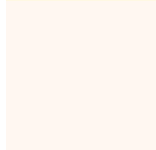
Original Color

81.5633, 94.0714, 62.0029



Protanopia

88.6725, 93.9409, 86.1319



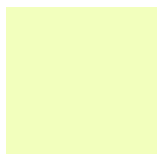
Deuteranopia

90.3779, 94.1324, 96.6250

Tritanopia

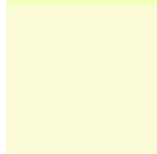
90.7351, 94.0655, 107.9820

Trichromacy



Original Color

81.5633, 94.0714, 62.0029



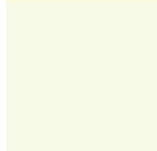
Protanomaly

85.9318, 94.1225, 76.5892



Deuteranomaly

86.7948, 93.9691, 82.6705



Tritanomaly

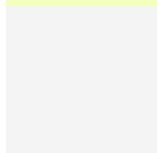
86.9672, 93.9149, 89.1450

Monochromacy



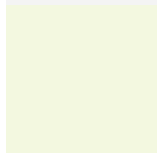
Original Color

81.5633, 94.0714, 62.0029



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

83.9841, 91.5713, 83.7696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5633, 94.0714, 62.0029 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(242, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 189)  
}
```

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(242, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 81.5633, 94.0714, 62.0029 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(242, 255, 189) }
```


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

```
.border{ border-color:rgb(242, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5633, 94.0714, 62.0029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 189) }
```

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

```
.background{ background-color: rgb(242,  
255, 189) }
```

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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